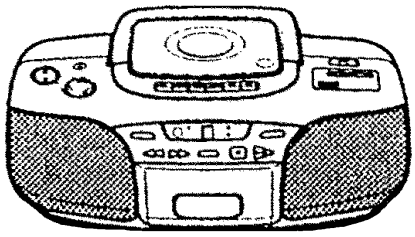
aiwa
SERVICE

CSD-A170 U(S),K(S),HA(S)
CSD-A110 EZ(S,L),HR(S)
CSD-A100 K(S),EZ(S,L,P),HE(S),HT(S)
CSD-A99 K(S)



SERVICE MANUAL

COMPACT DISC RADIO
CASSETTE RECORDER

BASIC TAPE MECHANISM : ZZM-1 YR2NF
BASIC CD MECHANISM : DA11T3C

aiwa

S/M Code No. 09-003-342-2R2

SPECIFICATIONS

HR, HE MODELS

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, AM: 530 - 1,605 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 110 - 120 V/220 - 240 V switchable, 50/60 Hz / Power consumption — 14 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg (excluding batteries)

- Design and specifications are subject to change without notice.

K, EZ MODELS

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, MW: 530 - 1,605 kHz Ferrite bar antenna, LW: 150 - 285 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10% DC), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 230 V, 50 Hz / Power consumption — 14 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg (excluding batteries)

- Design and specifications are subject to change without notice.

HA MODEL

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, AM: 530 - 1,710 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 110 - 120 V/220 - 240 V switchable, 50/60 Hz / Power consumption — 14 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg (excluding batteries)

- Design and specifications are subject to change without notice.

U MODEL

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, AM: 530 - 1,710 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 120 V, 60 Hz / Power consumption — 15 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm ($16^{5}/_{8} \times 7^{3}/_{8} \times 9^{7}/_{8}$ in.) / Weight — 3.45 kg (7 lbs. 10 oz.) (excluding batteries)

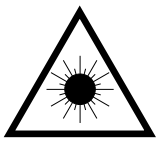
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

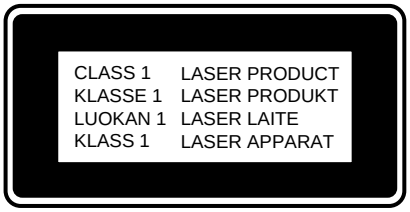
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

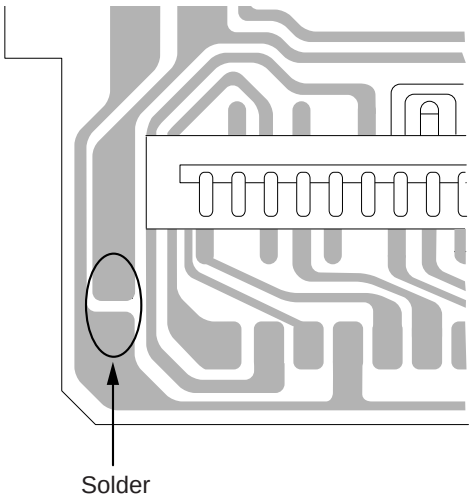
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

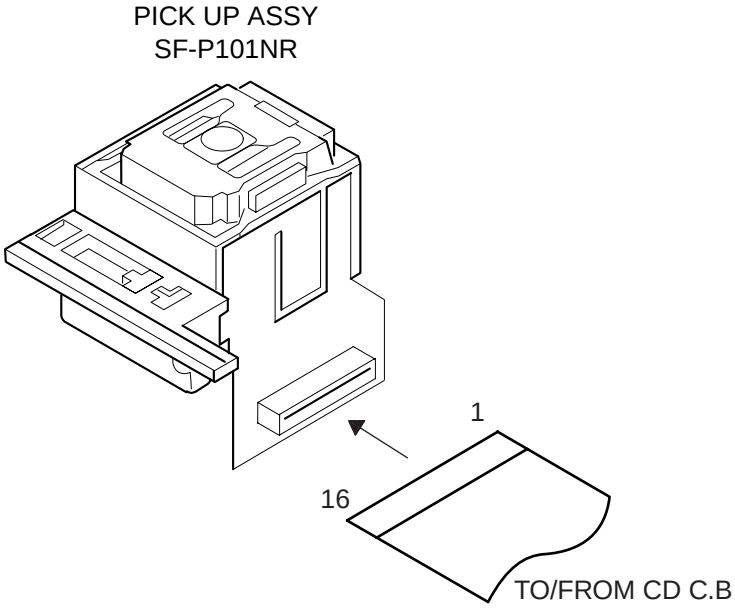


Precaution to replace Optical block (SF-P101NR)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.





ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A20-955-010		IC,LA1828
	87-A21-064-010		IC,LA4227
	87-A21-520-040		C-IC,M61509FP
	<110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
	87-A21-443-040		C-IC,M62495AFP
	<EXCEPT 110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
	87-A20-446-010		C-IC,LA9241ML
	87-A20-459-010		C-IC,LC78622ED
	87-A21-093-010		IC,LA6541D
	8A-CD9-610-010		C-IC,LC865516A-5P16
	87-A20-650-010		IC,RPM6938-V11
			<170U(S),170K(S),170HA(S)>
	87-A21-607-010		IC,NJM14558LD
TRANSISTOR			
	89-327-143-080		TR,2SC2714 (0.1W)
	87-026-447-080		TR,2SC1740S R
	87-026-463-080		TR,2SA933S (0.3W)
	87-026-213-080		CHIP-TR,DTC114YK
	89-318-154-080		TR,2SC1815 (0.4W)
	89-112-965-080		TR,2SA1296 (0.75W)
	87-026-291-080		TR,DTC124XS
	89-213-702-010		TR,2SB1370 (1.8W)
	87-026-462-080		TR,2SC1740 S(RS 0.3W)
	89-109-332-380		TR,2SA933RS
	89-113-187-080		TR,2SA1318TU
	87-026-295-080		TR,DTC144TK
	89-317-403-080		TR,2SC1740S
	87-026-239-080		TR,DTC114TK (0.2W)
	87-026-237-080		CHIP-TR,DTC124XK
			<170U(S),170K(S),170HA(S)>
	87-026-464-080		TR,DTC114TS (0.3W)
DIODE			
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-128-080		C-VARI-CAP,HVU202A
	87-A40-650-080		ZENER,MTZJ6.8A
	87-070-345-080		DIODE,IN4148
	87-A40-648-080		ZENER,MTZJ8.2A
	87-A40-234-080		ZENER,MTZJ5.6A
	87-017-978-080		DIODE,1N4003
	87-017-932-080		ZENER,MTJ6.2B
	87-A40-465-010		DIODE,FR202
MAIN C.B			
C211	87-A11-177-080		C-CAP,S 0.15-16 K B
C212	87-A11-177-080		C-CAP,S 0.15-16 K B
C215	87-016-460-080		C-CAP,S 0.22-16 B
C216	87-016-460-080		C-CAP,S 0.22-16 B
C231	87-010-213-080		C-CAP,S 0.015-50 B
C232	87-010-213-080		C-CAP,S 0.015-50 B
C233	87-A10-201-080		C-CAP,S0.33-16 KB
C234	87-A10-201-080		C-CAP,S0.33-16 KB
C235	87-016-669-080		C-CAP,S 0.1-25 K B
C236	87-016-669-080		C-CAP,S 0.1-25 K B
C237	87-010-371-080		CAP, ELECT 470-6.3V
C239	87-010-197-080		CAP, CHIP 0.01 DM
	<110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
C239	87-010-805-080		CAP, S 1-16
	<EXCEPT 110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
C240	87-010-197-080		CAP, CHIP 0.01 DM
	<110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
C240	87-010-805-080		CAP, S 1-16
	<EXCEPT 110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>		
C247	87-010-401-080		CAP, ELECT 1-50V
C248	87-010-401-080		CAP, ELECT 1-50V
C310	87-010-248-080		CAP, ELECT 220-10V
C316	87-010-263-080		CAP, ELECT 100-10V
C317	87-015-819-080		CAPACITOR,0.01
C322	87-010-260-080		CAP, ELECT 47-25V
C483	87-012-156-080		C-CAP,S 220P-50 CH
C484	87-012-156-080		C-CAP,S 220P-50 CH
C801	87-010-248-080		CAP, ELECT 220-10V
C805	87-012-365-080		C-CAP,S 0.027-25VBK
C806	87-012-365-080		C-CAP,S 0.027-25VBK
C807	87-010-405-080		CAP, ELECT 10-50V
C808	87-010-405-080		CAP, ELECT 10-50V
C809	87-010-401-080		CAP, ELECT 1-50V
C810	87-010-401-080		CAP, ELECT 1-50V
C811	87-010-178-080		CHIP CAP 1000P
C812	87-010-178-080		CHIP CAP 1000P
C816	87-010-180-080		C-CER 1500P
C817	87-010-180-080		C-CER 1500P
C821	87-010-401-080		CAP, ELECT 1-50V
C822	87-010-401-080		CAP, ELECT 1-50V
C823	87-010-178-080		CHIP CAP 1000P
C824	87-010-178-080		CHIP CAP 1000P
C829	87-010-178-080		CHIP CAP 1000P
C830	87-010-178-080		CHIP CAP 1000P
C833	87-018-195-080		CAP, CER 1200P-16V
C834	87-010-248-080		CAP, ELECT 220-10V
C843	87-010-197-080		CAP, CHIP 0.01 DM
C844	87-018-124-080		CAP, CER 270P-50V
C845	87-010-178-080		CHIP CAP 1000P
C846	87-010-263-080		CAP, ELECT 100-10V
C851	87-010-186-080		CAP,CHIP 4700P
C852	87-010-178-080		CHIP CAP 1000P
C853	87-A11-132-080		CAP,TC U 0.01-50 K B
CN201	87-099-018-010		CONN,16P
CN801	87-A60-110-010		CONN,4P V S2M-4W
CNA302	8A-CDA-629-010		CONN ASSY,6P MA-TU
L801	87-007-342-010		COIL,OSC 85K BIAS
SW801	8Z-CD9-609-010		SW,SL 1-6-2 PS62D01
CD C.B			
C30	87-010-260-080		CAP, ELECT 47-25V
C251	87-010-404-080		CAP, ELECT 4.7-50V
C261	87-010-402-080		CAP, ELECT 2.2-50V
C262	87-010-402-080		CAP, ELECT 2.2-50V
C263	87-010-178-080		CHIP CAP 1000P
C264	87-010-178-080		CHIP CAP 1000P
C265	87-010-263-080		CAP, ELECT 100-10V
C266	87-010-263-080		CAP, ELECT 100-10V
C267	87-010-112-080		CAP, ELECT 100-16V
C268	87-010-112-080		CAP, ELECT 100-16V
C271	87-010-237-080		CAP, ELECT 1000-16V
C272	87-010-237-080		CAP, ELECT 1000-16V
C278	87-010-405-080		CAP, ELECT 10-50V
C279	87-010-385-080		CAP, ELECT 220-25V
C301	87-016-495-000		CAP,E 3300-25 M SMG
C306	87-010-404-080		CAP, ELECT 4.7-50V
C307	87-010-401-080		CAP, ELECT 1-50V
C308	87-010-221-080		CAP, ELECT 470-10V
C311	87-010-374-080		CAP, ELECT 47-10V
C312	87-010-385-080		CAP, ELECT 220-25V
C321	87-010-197-080		CAP, CHIP 0.01 DM
C322	87-010-263-080		CAP, ELECT 100-10V
C325	87-010-405-080		CAP, ELECT 10-50V
C401	87-010-403-080		CAP, ELECT 3.3-50V
C402	87-010-197-080		CAP, CHIP 0.01 DM
C403	87-010-263-080		CAP, ELECT 100-10V
C404	87-010-248-080		CAP, ELECT 220-10V
C405	87-010-197-080		CAP, CHIP 0.01 DM

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C406	87-010-374-080		CAP, ELECT 47-10V
C407	87-010-178-080		CHIP CAP 1000P
C408	87-010-198-080		CAP, CHIP 0.022
C409	87-010-248-080		CAP, ELECT 220-10V
C410	87-010-263-080		CAP, ELECT 100-10V
C411	87-A11-177-080		C-CAP,S 0.15-16 K B
C412	87-010-401-080		CAP, ELECT 1-50V
C413	87-016-369-080		C-CAP,S 0.033-25 B K
C414	87-010-405-080		CAP, ELECT 10-50V
C416	87-010-545-080		CAP, ELECT 0.22-50V
C417	87-012-157-080		C-CAP,S 330P-50 CH
C418	87-010-213-080		C-CAP,S 0.015-50 B
C419	87-A11-608-080		C-CAP,S 0.33-25 K B
C420	87-016-369-080		C-CAP,S 0.033-25 B K
C421	87-A11-177-080		C-CAP,S 0.15-16 K B
C422	87-010-184-080		CHIP CAPACITOR 3300P(K)
C423	87-010-992-080		C-CAP,S 0.047-25 B
C425	87-010-176-080		C-CAP,S 680P-50 SL
C426	87-A11-608-080		C-CAP,S 0.33-25 K B
C428	87-010-197-080		CAP, CHIP 0.01 DM
C429	87-010-186-080		CAP,CHIP 4700P
C430	87-012-156-080		C-CAP,S 220P-50 CH
C431	87-010-545-080		CAP, ELECT 0.22-50V
C432	87-010-374-080		CAP, ELECT 47-10V
C433	87-010-401-080		CAP, ELECT 1-50V
C434	87-010-184-080		CHIP CAPACITOR 3300P(K)
C435	87-010-197-080		CAP, CHIP 0.01 DM
C436	87-010-374-080		CAP, ELECT 47-10V
C437	87-010-404-080		CAP, ELECT 4.7-50V
C438	87-016-669-080		C-CAP,S 0.1-25 K B
C439	87-010-178-080		CHIP CAP 1000P
C440	87-010-145-080		C-CAP,S 1P-50 CH
C441	87-010-197-080		CAP, CHIP 0.01 DM
C442	87-010-313-080		CAP, CHIP 18P
C445	87-012-368-080		C-CAP,S 0.1-50 F
C446	87-012-368-080		C-CAP,S 0.1-50 F
C447	87-012-368-080		C-CAP,S 0.1-50 F
C448	87-010-315-080		C-CAP,S 27P-50 CH
C450	87-012-140-080		CAP 470P
C451	87-012-156-080		C-CAP,S 220P-50 CH
C455	87-010-247-080		CAP, ELECT 100-50V
C457	87-010-312-080		C-CAP,S 15P-50 CH
C458	87-010-312-080		C-CAP,S 15P-50 CH
C459	87-010-263-080		CAP, ELECT 100-10V
C460	87-015-819-080		CAPACITOR,0.01
C461	87-010-197-080		CAP, CHIP 0.01 DM
C462	87-010-248-080		CAP, ELECT 220-10V
C463	87-010-197-080		CAP, CHIP 0.01 DM
C465	87-010-404-080		CAP, ELECT 4.7-50V
C466	87-012-368-080		C-CAP,S 0.1-50 F
C467	87-010-263-080		CAP, ELECT 100-10V
C469	87-012-154-080		C-CAP,S 150P-50 CH
C470	87-010-544-080		CAP, ELECT 0.1-50V
C471	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C472	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C473	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C474	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C475	87-010-197-080		CAP, CHIP 0.01 DM
C476	87-010-236-080		CAP,E 1000-10 SME
C477	87-010-197-080		CAP, CHIP 0.01 DM
C478	87-010-263-080		CAP, ELECT 100-10V
C479	87-010-197-080		CAP, CHIP 0.01 DM
C480	87-010-221-080		CAP, ELECT 470-10V
C481	87-010-405-080		CAP, ELECT 10-50V
C482	87-010-405-080		CAP, ELECT 10-50V
C489	87-012-368-080		C-CAP,S 0.1-50 F
C490	87-012-368-080		C-CAP,S 0.1-50 F
C491	87-010-197-080		CAP, CHIP 0.01 DM
C492	87-010-221-080		CAP, ELECT 470-10V
C493	87-010-180-080		C-CER 1500P<170U(S)>
C494	87-010-197-080		CAP, CHIP 0.01 DM
C501	87-012-368-080		C-CAP,S 0.1-50 F
C502	87-010-322-080		C-CAP,S 100P-50 CH
C503	87-010-322-080		C-CAP,S 100P-50 CH
C504	87-010-322-080		C-CAP,S 100P-50 CH
C505	87-010-322-080		C-CAP,S 100P-50 CH
C506	87-010-322-080		C-CAP,S 100P-50 CH
C510	87-016-669-080		C-CAP,S 0.1-25 K B
C831	87-010-198-080		CAP, CHIP 0.022
CN202	8A-CH4-689-010		CONN,3P V 2.5
CN205	87-A60-109-010		CONN,2P V S2M-2W
CN301	8A-CH4-689-010		CONN,3P V 2.5
CN401	87-A60-424-010		CONN,16P V TOC-B
CN403	87-099-201-010		CONN,8P 6216 H
CN802	8A-CH4-687-010		CONN,4P V 2.5
CNA402	8A-CDA-625-010		CONN ASSY,6P CD-ME
L401	87-003-102-080		COIL, 10UH
L404	87-003-152-080		COIL, 100UH
⚠R840	87-029-124-010		RES,FUSE 2.2-1/4
SFR430	87-024-437-080		SFR100K,RH063EC
X401	8Z-CD5-633-010		VIB, CER16.93MHZ FCR16.93M2

FRONT C.B

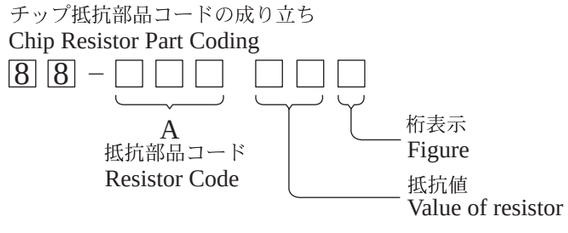
C601	87-010-313-080		CAP, CHIP 18P
C602	87-010-315-080		C-CAP,S 27P-50 CH
C603	87-010-319-080		C-CAP,S 56P-50 CH
C604	87-010-317-010		CHIP CAP,S 39P CH
C605	87-010-264-040		CAP,E 100-10 5L
C606	87-012-368-080		C-CAP,S 0.1-50 F
C607	87-015-779-010		CHIP CAPACITOR, 0.01
C608	87-010-415-080		CAP ELE SRE 10-50V
C609	87-010-493-080		CAP,E 0.47-50 GAS
C610	87-010-178-080		CHIP CAP 1000P <170U(S),170K(S),170HA(S)>
C611	87-A10-189-040		CAP,E 220-10
C612	87-010-415-080		CAP ELE SRE 10-50V <170U(S),170K(S),170HA(S)>
C613	87-012-368-080		C-CAP,S 0.1-50 F
C614	87-010-312-080		C-CAP,S 15P-50 CH
C627	87-015-779-010		CHIP CAPACITOR, 0.01
C628	87-015-779-010		CHIP CAPACITOR, 0.01
C629	87-015-779-010		CHIP CAPACITOR, 0.01
C630	87-010-264-040		CAP,E 100-10 5L
C631	87-015-779-010		CHIP CAPACITOR, 0.01
CN601	87-099-757-010		CONN,16P 9604S F
CN602	87-A60-079-010		CONN,08P H 9604S-08F
CNA604	8A-CDA-623-010		CONN ASSY,7P KEY
JW603	87-008-372-080		FILTER, EMI BL OIRNI
JW605	87-003-097-080		COIL,1UH
JW606	87-003-097-080		COIL,1UH
JW608	87-003-097-080		COIL,1UH
JW627	87-008-372-080		FILTER, EMI BL OIRNI
JW633	87-003-098-080		COIL,2.2UH
L601	87-003-098-080		COIL,2.2UH
LED602	88-CD6-630-010		LED,934ID RED
LED608	88-CD6-630-010		LED,934ID RED
LED610	88-CD6-631-010		LED,934GD GRN <110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>
LED611	87-CD8-616-010		LED,SA36-11 HWA-11.0
S601	87-A91-704-080		SW,TACT EVQ 214 05R
S602	87-A91-704-080		SW,TACT EVQ 214 05R
S603	87-A91-704-080		SW,TACT EVQ 214 05R
S604	87-A91-704-080		SW,TACT EVQ 214 05R
S605	87-A91-704-080		SW,TACT EVQ 214 05R
S609	87-A91-704-080		SW,TACT EVQ 214 05R <110HRJ(S),110EZ(S),110EZ(L),170U(S),170K(S),170HA(S)>
S611	87-A91-704-080		SW,TACT EVQ 214 05R
X601	87-030-273-010		VIB,XTAL 32.768K5PPM
X602	87-030-376-080		VIB,CER CSA5.76MG200

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
TUNER C.B			
C1	87-010-314-080		C-CAP,S 22P-50V
C2	87-010-316-080		C-CAP,S 33P-50 CH
C3	87-010-314-080		C-CAP,S 22P-50V
C4	87-010-148-080		CAP, CHIP S 4P SL <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C5	87-010-378-080		CAP, ELECT 10-16V
C7	87-012-156-080		C-CAP,S 220P-50 CH
C8	87-010-197-080		CAP, CHIP 0.01 DM
C9	87-010-311-080		CAP 12P
C10	87-010-197-080		CAP, CHIP 0.01 DM
C11	87-010-152-080		C-CAP,S 8P-50 CH
C12	87-010-314-080		C-CAP,S 22P-50V
C13	87-010-322-080		C-CAP,S 100P-50 CH
C14	87-010-148-080		CAP, CHIP S 4P SL
C15	87-016-669-080		C-CAP,S 0.1-25 K B
C16	87-010-178-080		CHIP CAP 1000P
C17	87-016-669-080		C-CAP,S 0.1-25 K B
C18	87-010-198-080		CAP, CHIP 0.022
C19	87-016-669-080		C-CAP,S 0.1-25 K B
C20	87-010-400-080		CAP, ELECT 0.47-50V
C21	87-010-403-080		CAP, ELECT 3.3-50V
C22	87-010-197-080		CAP, CHIP 0.01 DM
C24	87-010-197-080		CAP, CHIP 0.01 DM
C25	87-010-197-080		CAP, CHIP 0.01 DM
C26	87-012-358-080		C-CAP,S 0.47-10 F Z
C27	87-012-358-080		C-CAP,S 0.47-10 F Z
C28	87-010-992-080		C-CAP,S 0.047-25 B
C29	87-010-992-080		C-CAP,S 0.047-25 B
C30	87-010-248-080		CAP, ELECT 220-10V
C31	87-010-379-080		CAP, ELECT 22-16V
C32	87-010-197-080		CAP, CHIP 0.01 DM
C33	87-010-197-080		CAP, CHIP 0.01 DM
C34	87-010-197-080		CAP, CHIP 0.01 DM
C35	87-010-197-080		CAP, CHIP 0.01 DM
C36	87-010-263-080		CAP, ELECT 100-10V
C37	87-010-197-080		CAP, CHIP 0.01 DM
C38	87-010-197-080		CAP, CHIP 0.01 DM
C39	87-010-197-080		CAP, CHIP 0.01 DM <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C40	87-010-150-080		C-CAP,S 6P-50 CH <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C41	87-010-321-080		CHIP CAPACITOR,82P(J) <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C42	87-010-150-080		C-CAP,S 6P-50 CH <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C44	87-012-140-080		CAP 470P <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
C51	87-010-197-080		CAP, CHIP 0.01 DM
C56	87-010-152-080		C-CAP,S 8P-50 CH <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
CF1	87-A90-128-010		FLTR,AM IF CFAL-455
CF2	87-008-261-010		FILTER, SFE10.7MA5-A
CF3	87-008-261-010		FILTER, SFE10.7MA5-A
CN2	87-A60-116-010		CONN,6P H S2M-6WR
L2	87-A50-560-010		COIL,FM BPF(ACD)
L3	8A-CD9-660-010		BAR-ANT,MW 2B-ACD(COI) <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
L3	8A-CD9-661-010		BAR-ANT,MW/LW 3B-ACD(COI) <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
L4	87-A50-562-010		COIL,FM RF EX(ACD)
L5	87-A50-564-010		COIL,FM OSC EX(ACD)
L6	87-A50-337-010		COIL,AM OSC (TOKO) <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
L7	87-A50-579-010		COIL,AM IFT(ACD)
L8	87-A50-335-010		COIL,FM IFT (TOKO)
L9	87-A50-577-010		COIL,FM DET(ACD)
L10	87-005-849-080		COIL,10UH(CECS)
L16	87-A50-569-010		COIL,LW OSC-ACD(COI) <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
L17	87-A50-337-010		COIL,AM OSC (TOKO) <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
S1	87-A91-548-010		SW,SL-2-3 SK23E01G06 <110HRJ(S),100HRJ(S),170U(S),170HA(S)>
S1	87-A91-549-010		SW,SL-6-4 SK64D01G06 <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
TC5	87-011-253-080		TRIMER,30P LAR <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
TC6	87-011-253-080		TRIMER,30P LAR <EXCEPT 110HRJ(S),100HRJ(S),170U(S),170HA(S)>
VC1	87-A91-635-010		TUN-CAP,20P-140P E-ACD(MITSUMI <EXCEPT 100HE(S),170U(S),170HA(S)>
VC1	87-A91-167-010		TUN-CAP,20P-160P FA-22125 N000 <170U(S),170HA(S)>
VC1	87-A91-170-010		TUN-CAP,20P-335P FA-2217 N000- <100HE(S)>
HP C.B			
CN204	87-A60-685-010		CONN,4P H WHT EH
CN605	87-A60-117-010		CONN,7P H S2M-7WR
CNA203	8A-CDA-628-010		CONN ASSY,4P MA-HP
J251	87-A60-569-010		JACK,HTJ-035-18
LED606	88-CD6-630-010		LED,934ID RED
LED607	88-CD6-630-010		LED,934ID RED
S606	87-A91-704-080		SW,TACT EVQ 214 05R
S607	87-A91-704-080		SW,TACT EVQ 214 05R
S608	87-A91-704-080		SW,TACT EVQ 214 05R
S614	87-A91-704-080		SW,TACT EVQ 214 05R
S615	87-A91-704-080		SW,TACT EVQ 214 05R
BATT1 C.B			
C901	87-010-192-080		C-CAP,S 0.022-50 F
C902	87-010-192-080		C-CAP,S 0.022-50 F
C903	87-010-192-080		C-CAP,S 0.022-50 F
C904	87-010-192-080		C-CAP,S 0.022-50 F
CNA901	8A-CDA-627-010		CONN ASSY,3P PWR
⚠PR901	87-A90-092-080		PROTECTOR,2.5A 491
SP901	87-CD6-213-010		SPR-C,BATT (-)
SP902	87-CD6-213-010		SPR-C,BATT (-)
BATT2 C.B			
SP903	87-CD6-213-010		SPR-C,BATT (-)
SP904	87-CD6-213-010		SPR-C,BATT (-)
MOTOR C.B			
M2	9X-262-576-910		MOTOR GEAR ASSY
PIN3	91-564-722-110		CONNECTOR 6P
SW1	91-572-085-120		LEAF SW
VOL SEL C.B<170HA(S)>			
⚠F901	87-035-347-010		FUSE, 2.5A 250V T<170HA(S)>
FC901	87-033-213-010		CLAMP, FUSE SMK<170HA(S)>
FC902	87-033-213-010		CLAMP, FUSE SMK<170HA(S)>

- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

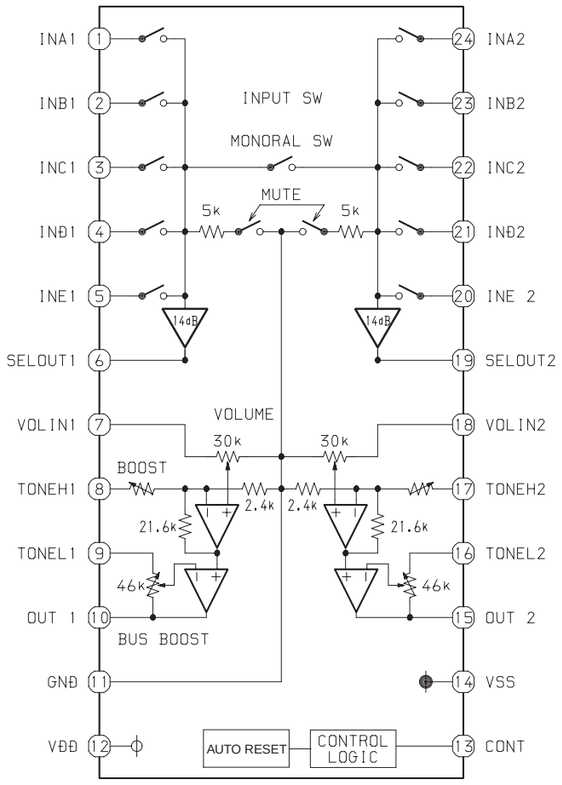


チップ抵抗
Chip resistor

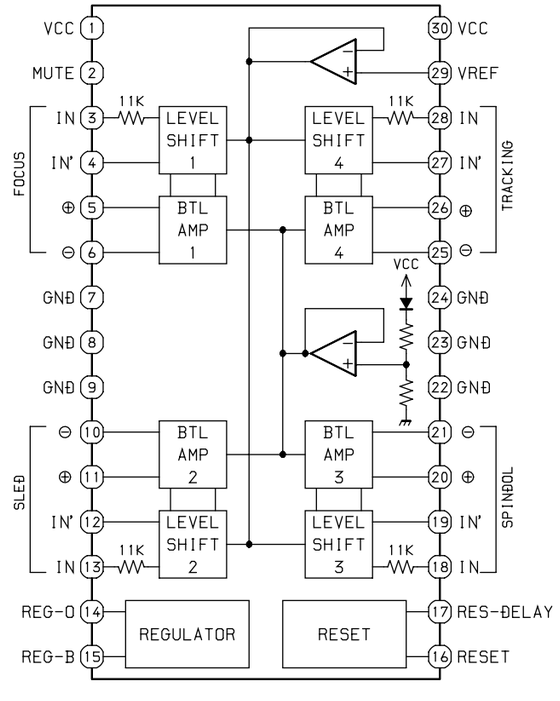
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード Resistor Code ：A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

IC BLOCK DIAGRAM

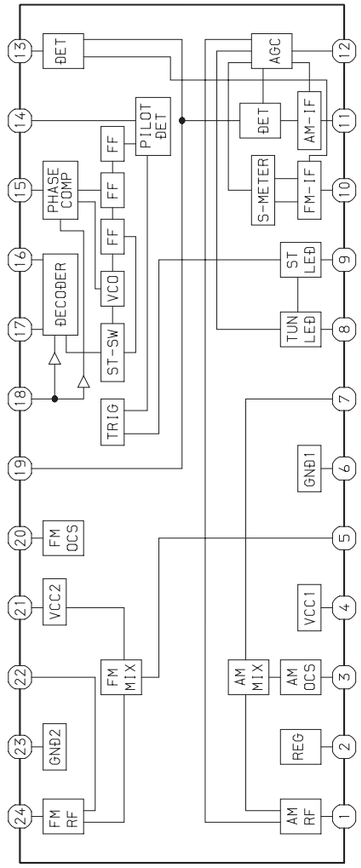
IC, M62495AFP



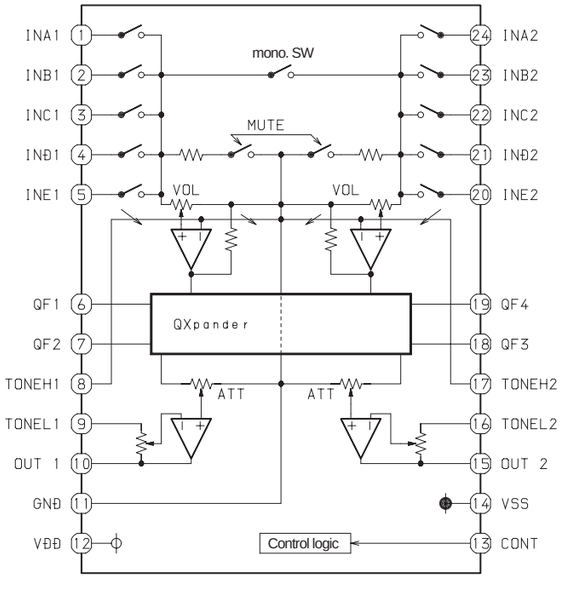
IC, LA6541D



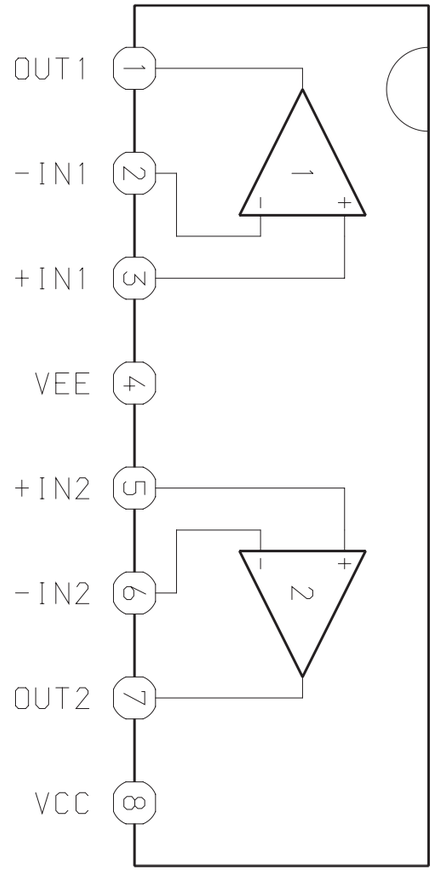
IC, LA1828



IC, M61509FP



IC, BA4560N



1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J K

B CD C.B

TO C FRONT C.B
CN602
FC403
1 3 5 7 8
TO CN403

SW205
CD DOOR SW
CNA205
TO CN205

TO G BATT1 C.B
CNA901
TO CN301

TO E HP C.B
CNA203
TO CN202

TAPE MECHANISM ZZM-1 YR2NF
M1 (TAPE MOTOR)
S1 (TAPE SW)
TO CN802

TO H MOTOR C.B
(CD MECHANISM DA11T3C)
CNA402

TO CN401
FC401
TO CD MECHANISM DA11T3C

A MAIN C.B

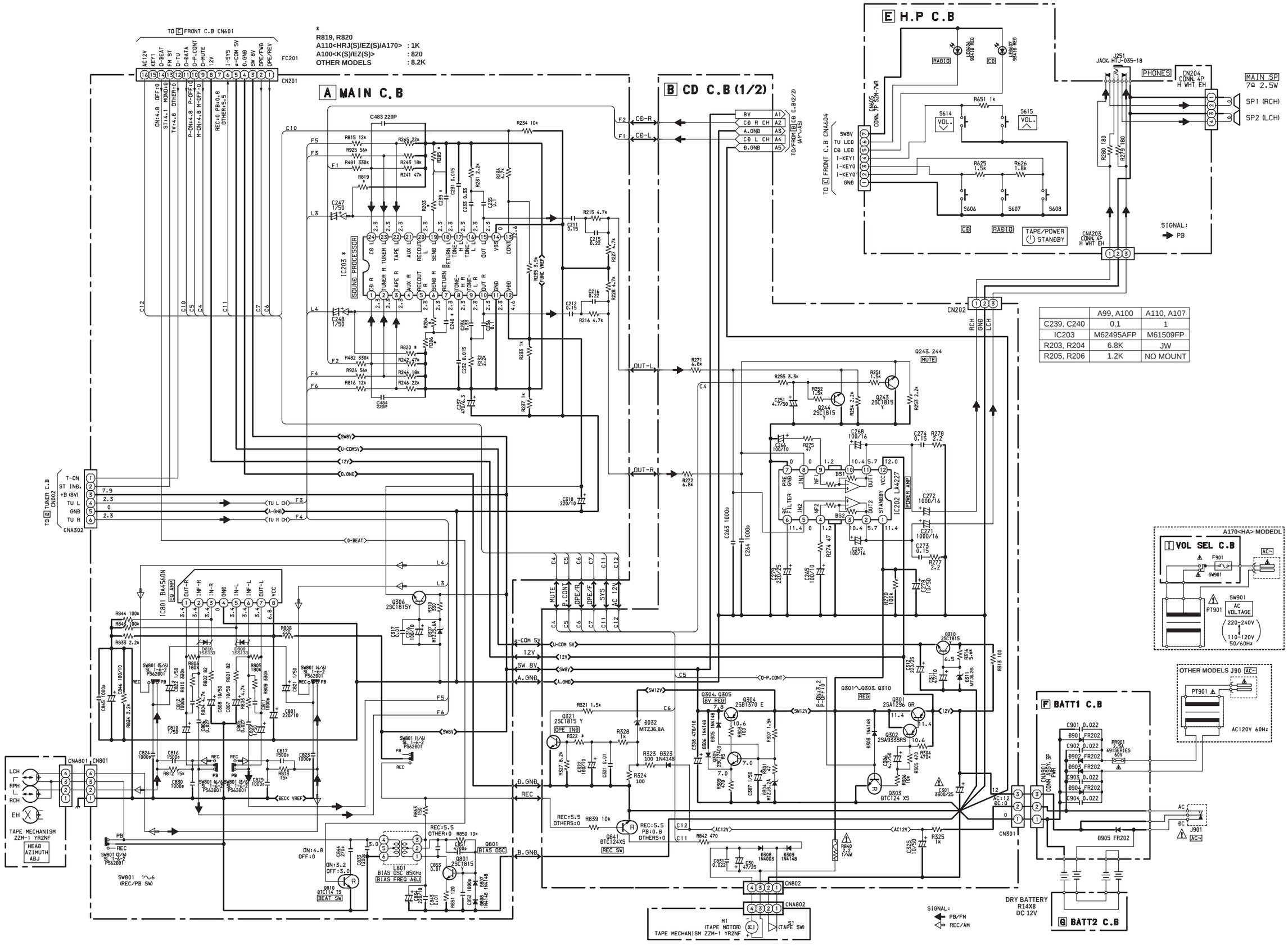
SW801
PB
REC

TAPE MECHANISM ZZM-1 YR2NF
CNA801
L
RPH
R
EH
TO CN801

TO D TUNER C.B CN002
CNA302
3 5 6

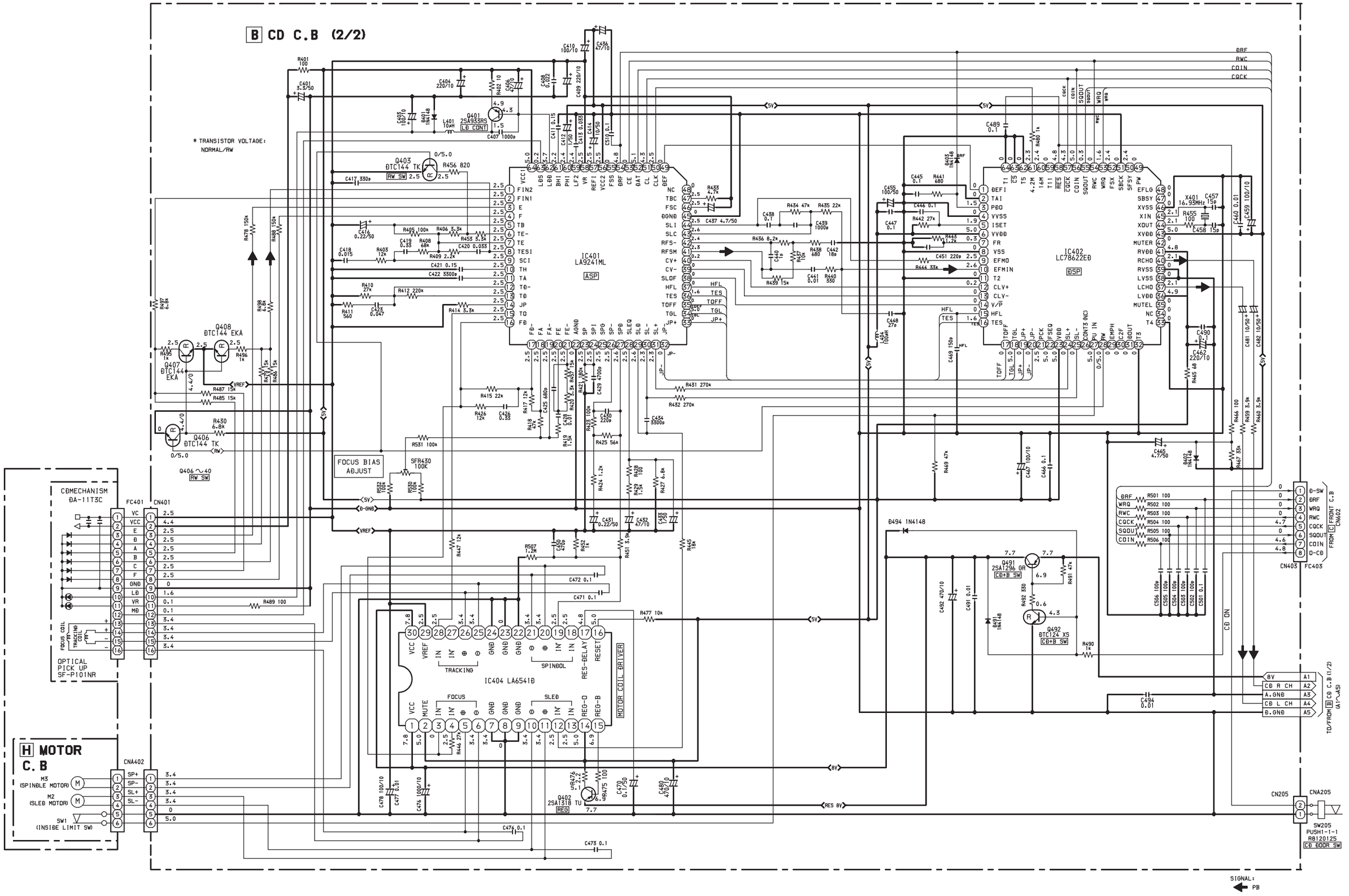
TO CN201
1 3 5 7 9 11 13 15 16
FC201
FROM C FRONT C.B CN601

SCHEMATIC DIAGRAM-1 (MAIN)

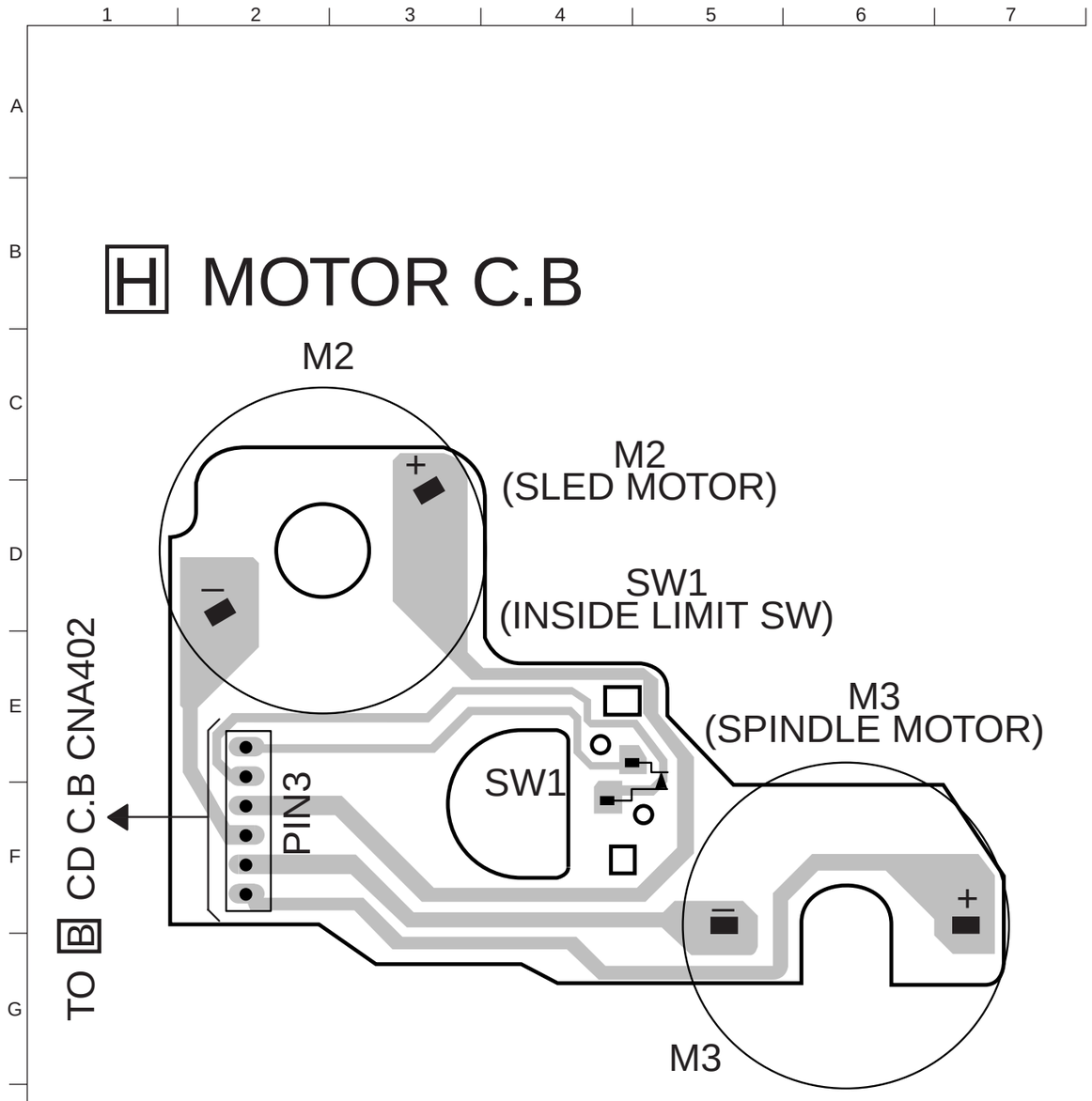


	A99, A100	A110, A107
C239, C240	0.1	1
IC203	M62495AFP	M61509FP
R203, R204	6.8K	JW
R205, R206	1.2K	NO MOUNT

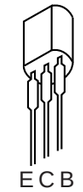
SCHEMATIC DIAGRAM-2 (CD)



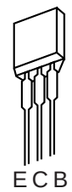
WIRING-2 (MOTOR)



TRANSISTOR ILLUSTRATION

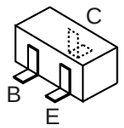


2SA1296
2SC1815

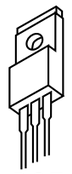


2SA933
2SC1740
DTC114TS
DTC124XS

2SA1318



2SC2714
DTC114TK
DTC114YK
DTC124XK
DTC144TK



2SB1370

G BATT2 C.B

SP903
SP904

F BATT1 C.B

SP901
SP902
TO B CD C.B
CN301
D905
CNA901
D903
C903
D904
C904
D901
C901
PR901
D902
C902
DRY BATTERY
R14×8
DC 12V
AC~
AC
DC
PT901
PT901
•A110 MODEL
AC120V 60Hz
•A170 MODEL
110-120V
220-240V
50/60Hz
OTHER MODELS
A170<HA> MODEL

I VOL SEL C.B

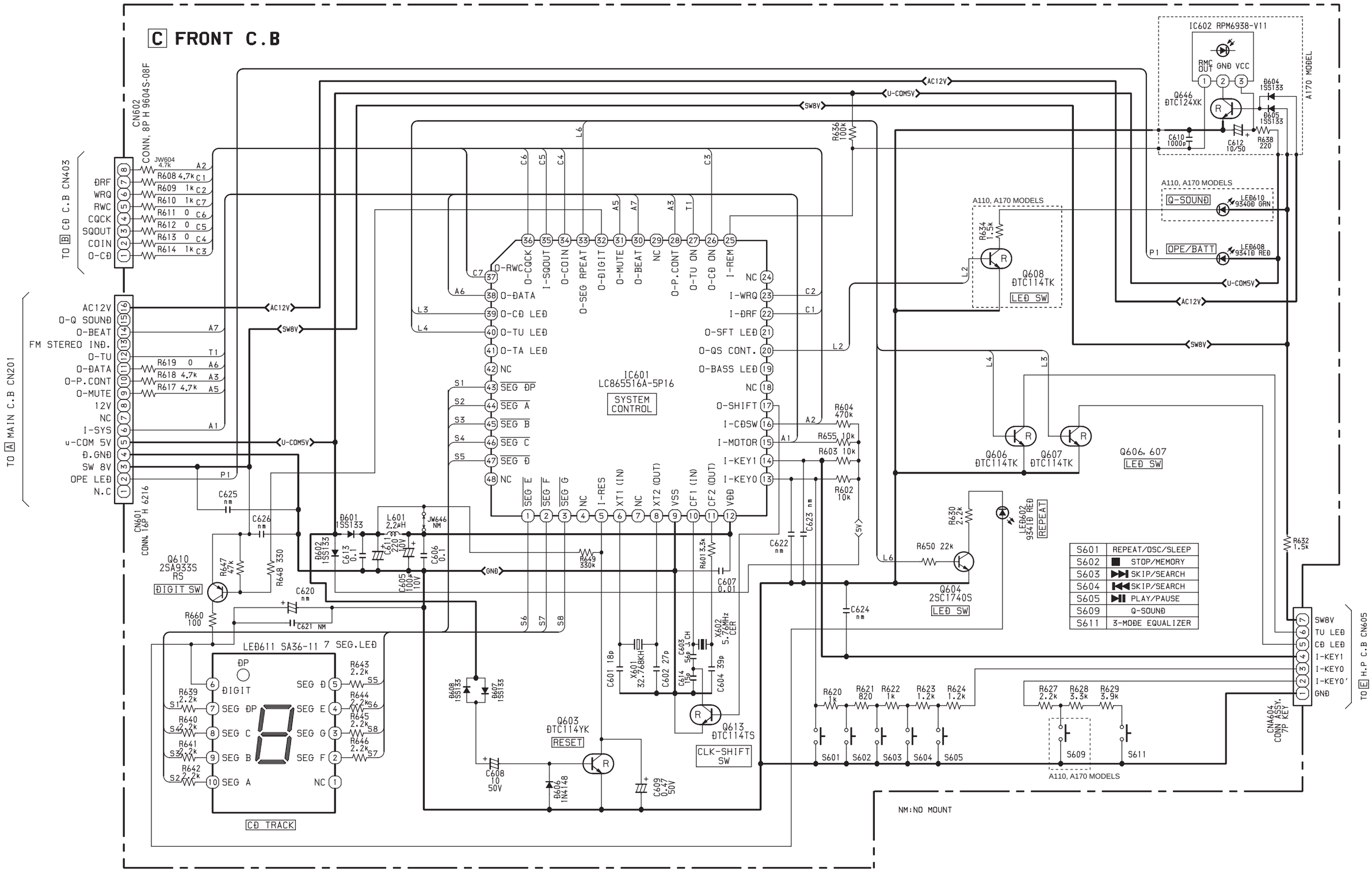
SW901
F901
SW901
AC VOLTAGE
110-120V
220-240V

E HP C.B

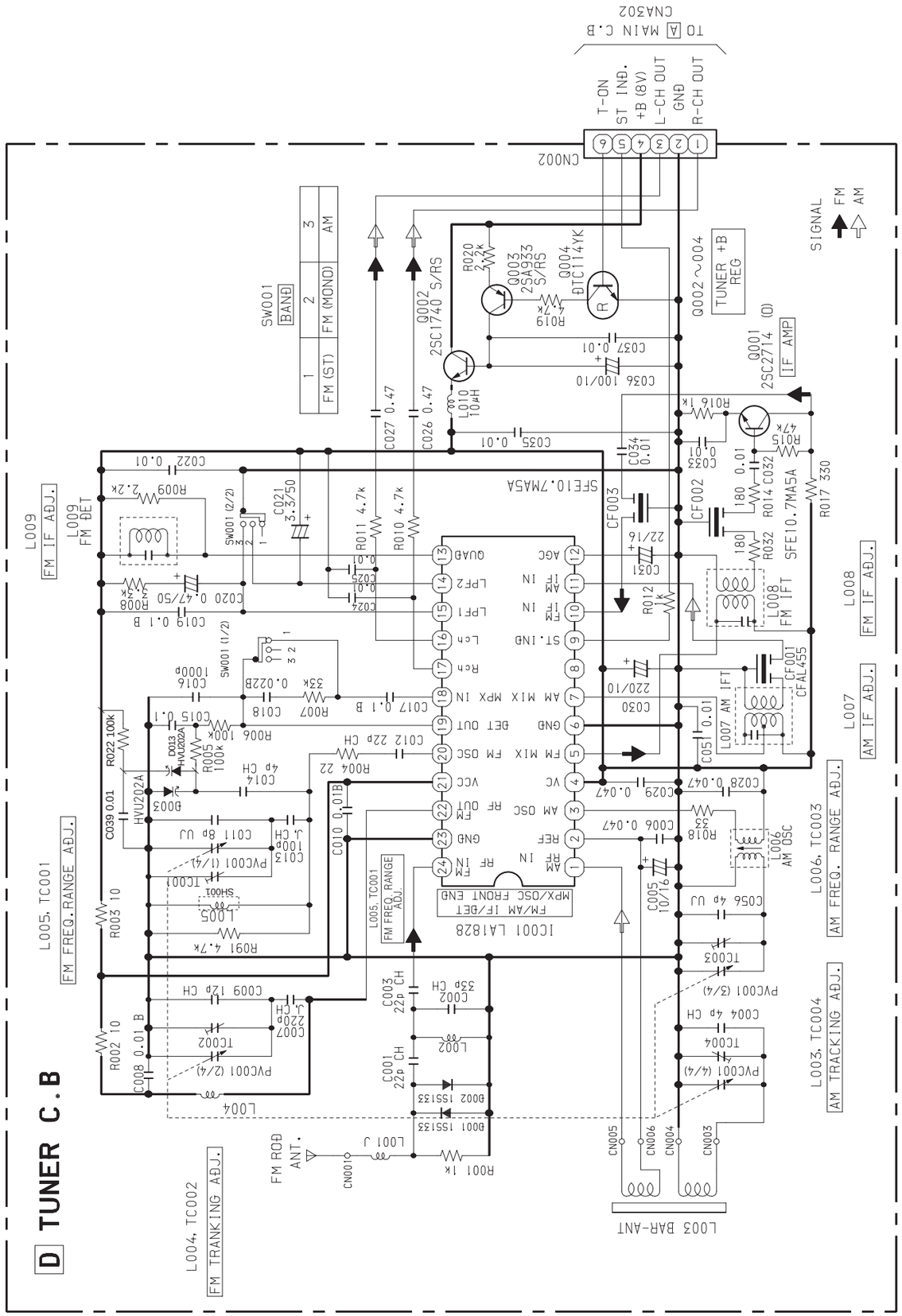
S606
CD
LED607
R625
S607
R626
LED606
RADIO
S608
TAPE/
POWER STANDBY
S614
VOL
VOL
S615
R280
R279
J251
PHONES
CNA203
CN204
CN605
CN202
TO B CD C.B
MAIN SPEAKER
7Ω 2.5W
R
L
CNA604
TO C FRONT C.B

C FRONT C.B

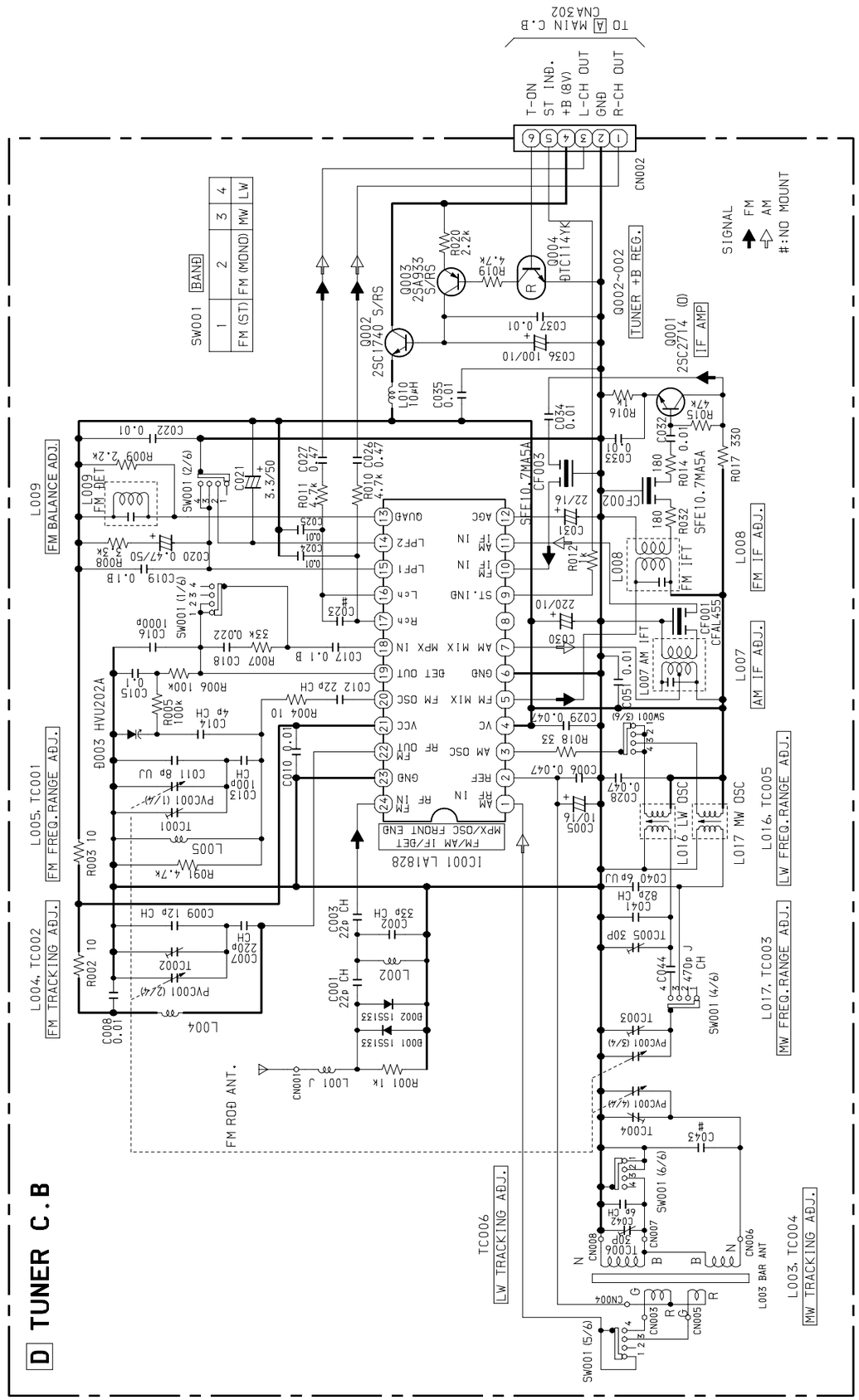
TO E H.P C.B
CN605
L601
C605
C606
C611
C613
D601
D602
D607
D608
D606
D603
C609
OPE/BATT
LED608
REPEAT
LED602
LED611
LED610
Q-SOUND
A110, A170
MODELS
IC602
CNA604
R627
R628
R629
A110, A170 MODELS
S609
Q-SOUND
A170 MODEL
A110, A170
MODELS
S611
Q613
3-MODE
EQUALIZER
C603
C612
C604
X602
X601
C607
R601
R604
IC601
CD TRACK
Q604
Q610
Q606
Q607
R650
R648
S604
CN602
R608
R609
R614
R612
R613
S605
S602
S601
S603
R624
R623
R622
R621
R620
TO B CD C.B
CN403
CN601
CN201
TO A MAIN C.B
PLAY/
PAUSE
STOP/
MEMORY
REPEAT/
OSC/
SLEEP
SKIP/SEARCH
SKIP/SEARCH


C FRONT C.B
CN602
CONN, 8P H 9604S-08F
TO B CD C.B CN403
ĐRF
WRQ
RWC
CQCK
SQOUT
COIN
O-CĐ
JW604 4.7k
R608 4.7k
R609 1k
R610 1k
R611 0
R612 0
R613 0
R614 1k
TO A MAIN C.B CN201
AC12V
O-Q SOUNĐ
O-BEAT
FM STEREO INĐ.
O-TU
O-ĐATA
O-P.CONT
O-MUTE
12V
NC
I-SYS
u-COM 5V
Đ.GNĐ
SW 8V
OPE LEĐ
N.C
R619 0
R618 4.7k
R617 4.7k
CN601
CONN, 16P H 6216
C625 nm
C626 nm
Đ601 1SS133
L601 2.2μH
JW646 NM
C611 220 10V
C606 0.1
C605 1000μ 10V
Đ602 1SS133
C613 0.1
Q610 2SA933S RS
ĐIGIT SW
R647 47k
R648 330
C620 nm
C621 NM
R660 100
LEĐ611 SA36-11 7 SEG.LEĐ
ĐP
ĐIGIT
SEG ĐP
SEG C
SEG B
SEG A
SEG Đ
SEG E
SEG G
SEG F
NC
R639 2.2k
R640 2.2k
R641 2.2k
R642 2.2k
R643 2.2k
R644 2.2k
R645 2.2k
R646 2.2k
CĐ TRACK
IC601
LC865516A-5P16
SYSTEM CONTROL
O-RWC
O-CQCK
I-SQOUT
O-COIN
O-SEG RPEAT
O-ĐIGIT
O-MUTE
O-BEAT
NC
O-P.CONT
O-TU ON
O-CĐ ON
I-REM
O-ĐATA
O-CĐ LEĐ
O-TU LEĐ
O-TA LEĐ
SEG ĐP
SEG A
SEG B
SEG C
SEG Đ
SEG E
SEG F
SEG G
I-RES
XT1 (IN)
XT2 (OUT)
VSS
CF1 (IN)
CF2 (OUT)
VĐĐ
I-WRQ
I-ĐRF
O-SFT LEĐ
O-QS CONT.
O-BASS LEĐ
O-SHIFT
I-CĐSW
I-MOTOR
I-KEY1
I-KEY0
R649 330k
R601 3.3k
C607 0.01
C622 nm
C623 nm
C624 nm
C601 18p
X601 32.768KH
C602 27p
C603 5p J CH
C614 15p
X602 5.76MHz CER
C604 39p
Đ608 1SS133
Đ607 1SS133
Đ606 1N4148
C608 10 50V
C609 0.47 50V
Q603 ĐTC114YK
RESET
Q613 ĐTC114TS
CLK-SHIFT SW
R636 100k
R604 470k
R655 10k
R603 10k
R602 10k
AC12V
U-COM5V
SW8V
5V
IC602 RPM6938-V11
RMC OUT GNĐ VCC
Q646 ĐTC124XK
Đ604 1SS133
Đ605 1SS133
C610 1000p
C612 10/50
R638 220
A170 MODEL
A110, A170 MODELS
Q-SOUNĐ
LEĐ610 934ĐĐ GRN
OPE/BATT
LEĐ608 934ĐĐ REĐ
U-COM5V
R434 1.5k
Q608 ĐTC114TK
LEĐ SW
Q606 ĐTC114TK
Q607 ĐTC114TK
Q606, 607
LEĐ SW
R630 2.2k
LEĐ602 934ĐB REĐ
REPEAT
R650 22k
Q604 2SC1740S
LEĐ SW
S601 REPEAT/OSC/SLEEP
S602 STOP/MEMORY
S603 SKIP/SEARCH
S604 SKIP/SEARCH
S605 PLAY/PAUSE
S609 Q-SOUNĐ
S611 3-MODE EQUALIZER
R620 1k
R621 820
R622 1k
R623 1.2k
R624 1.2k
R627 2.2k
R628 3.3k
R629 3.9k
S601
S602
S603
S604
S605
S609
S611
A110, A170 MODELS
R632 1.5k
CNA604 CONN ASSY. 7P KEY
TO E H.P C.B CN605
SW8V
TU LEĐ
CĐ LEĐ
I-KEY1
I-KEY0
I-KEY0'
GNĐ
NM:NO MOUNT

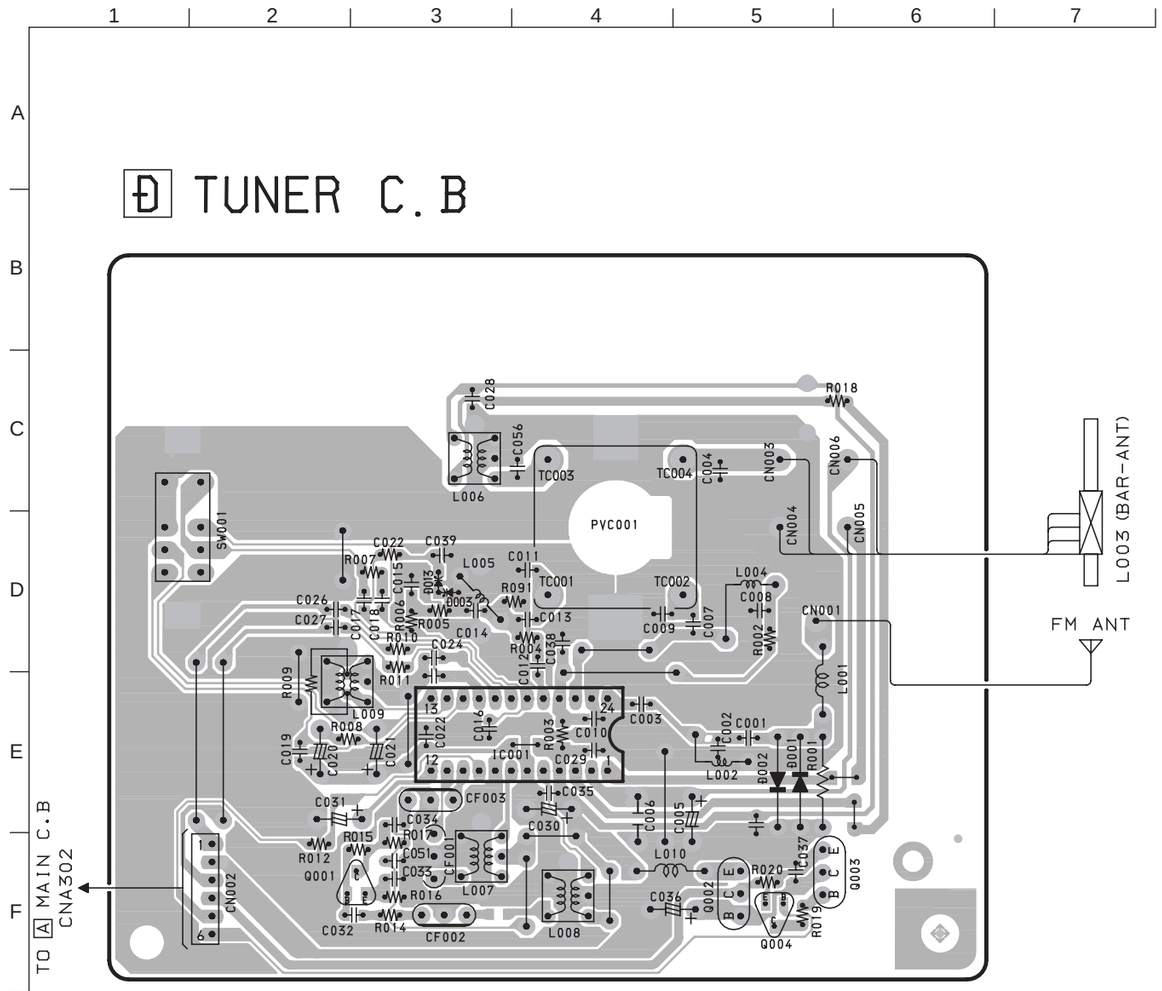
SCHEMATIC DIAGRAM-4 (TUMER: HA, HE, HR, U)



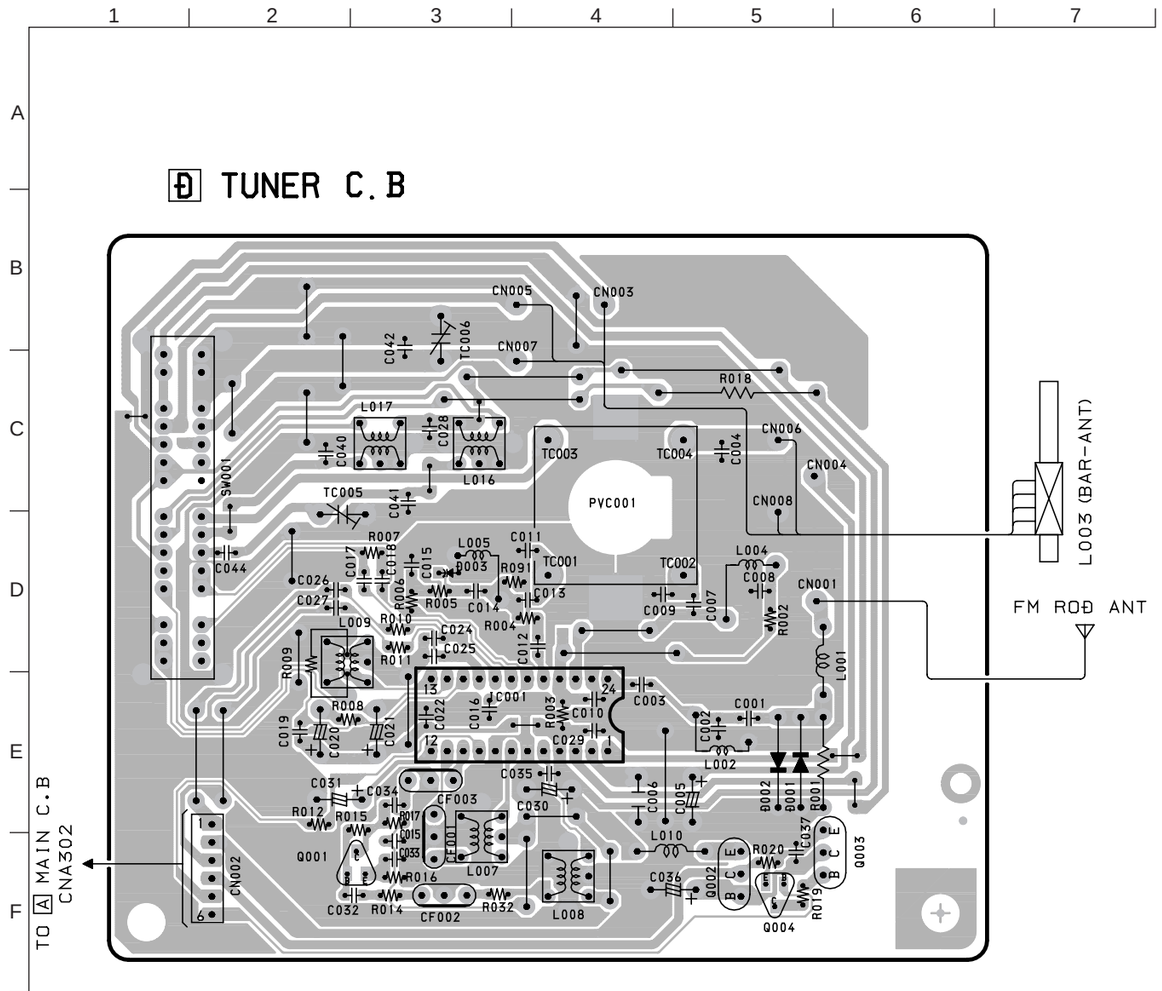
SCHEMATIC DIAGRAM-5 (TUMER: K, EZ)

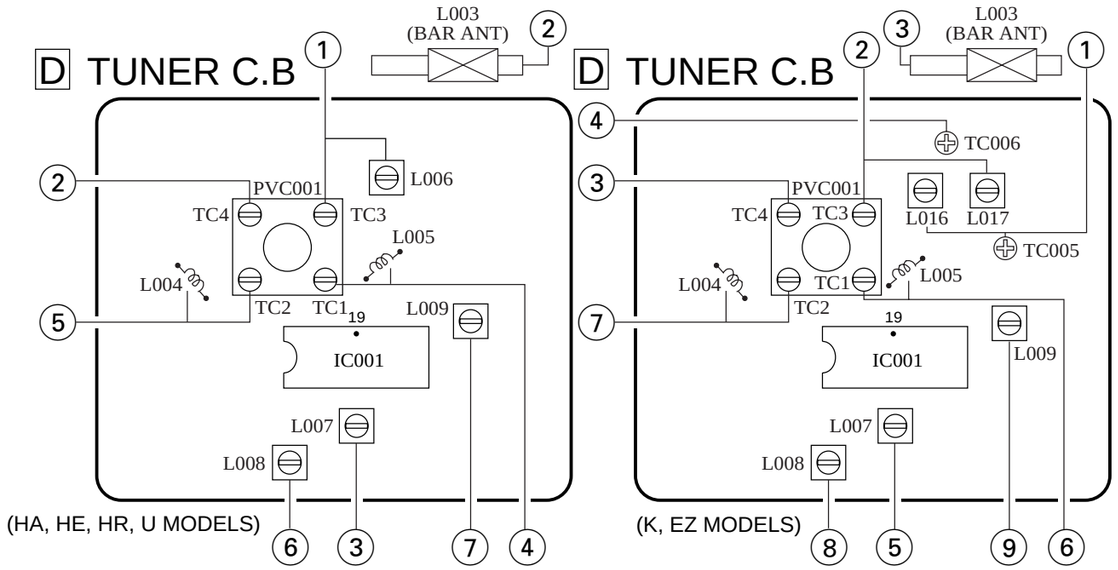


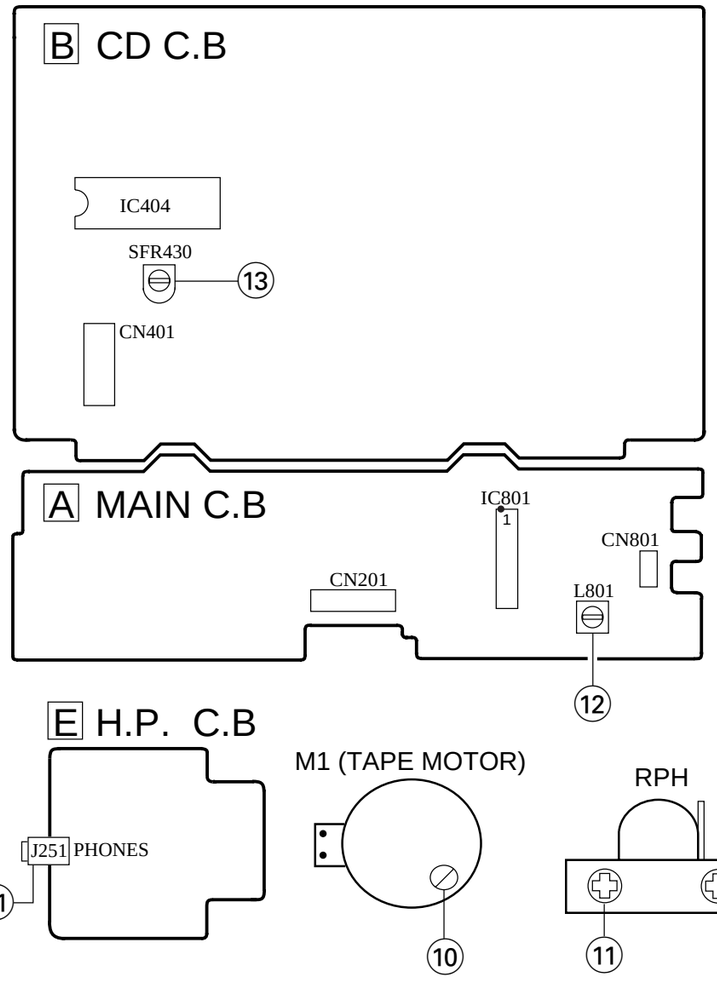
WIRING-4 (TUNER:HA, HE, HR, U)



WIRING-5 (TUNER: K, EZ)







< TUNER SECTION >
(HA, HE, HR, U MODELS)

1. AM Freq. Range Adjustment
   L006 ..... 517kHz
   TC003 ..... 1750kHz

2. AM Tracking Adjustment
   L003 ..... 600kHz
   TC004 ..... 1400kHz

3. AM IF Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L007
   Method: Adjust L007 so that the output level at 1400kHz becomes maximum.

4. FM Freq. Range Adjustment
   L005 ..... 87.0MHz
   TC001 ..... 109.0MHz

5. FM Tracking Adjustment
   L004 ..... 88.0MHz
   TC002 ..... 108.0MHz

6. FM IF Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L008
   Method: Adjust L008 so that the output level at 98.0MHz becomes balanced.

7. FM Balance Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L009
   Method: Adjust L009 so that the output level at 98.0MHz becomes balanced.

(K, EZ MODELS)

1. LW Freq. Range Adjustment
   L016 ..... 145kHz
   TC005 ..... 295kHz

2. MW Freq. Range Adjustment
   L017 ..... 515kHz
   TC003 ..... 1635kHz

3. MW Tracking Adjustment
   L003 ..... 600kHz
   TC004 ..... 1400kHz

4. LW Tracking Adjustment
   TC006 ..... 288kHz

5. AM IF Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L007
   Method: Adjust L007 so that the output level at 1400kHz becomes maximum.

6. FM Freq. Range Adjustment
   L005 ..... 87.4MHz
   TC001 ..... 108.3MHz

7. FM Tracking Adjustment
   L004 ..... 88.0MHz
   TC002 ..... 108.0MHz

8. FM IF Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L008
   Method: Adjust L008 so that the output level at 98.0MHz becomes balanced.

9. FM Balance Adjustment
   Settings: • Test point: IC001 (LA1828) 19PIN
   • Adjustment location: L009
   Method: Adjust L009 so that the output level at 98.0MHz becomes balanced.

< DECK SECTION >

10. Tape Speed Adjustment
    Settings : • Test tape : TTA–100
    • Test point : J251 (PHONES jack)
    • Adjustment location : SFR of deck motor
    Method : Play back the test tape and adjust SFR so that the frequency counter reads 3000Hz ± 30Hz.

11. Head Azimuth Adjustment
    Settings : • Test tape : TTA–320
    • Test point : J251 (PHONES jack)
    • Adjustment location : Azimuth adjustment screw
    Method : Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum.

12. Bias frequncy Adjustment
    L801.....85kHz±0.5kHz

< CD SECTION >

13. FE Balance Adjustment
    Settings : • Test point : IC401 PIN58 (VR), IC401 PIN 20 (FE)
    • Adjustment location : SFR430
    Method : Playback the disc and adjust SFR430 so that the test point voltage becomes 0V.

IC DESCRIPTION

IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE-	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD-	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD-	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD– and FA– pins.
19	FA-	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE-	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	SP	O	Signal ended output of the CV+and CV- pin input signal.
24	SPI	I	Spndle amp input.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP-	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL-, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP-, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV–, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS-	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode (± search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISET	I		Pin to which external resistor adjusting the PD0 output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—	Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	T2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLK-	O	Disc motor control output. Three level output is possible using command.	
14	V/$\overline{P}$	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP-	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and thesync signal which is internally generated agree.	
23	VDD	—	Digital system power supply pin.	
24	SL+	O	Moves the sled to outer circumference.	
25	SL-	O	Moves the sled to inner circumference.	
26	—	—	Not connected.	
27	PUIN	I	CD pickup inner switch detection.	
28	$\overline{RW}$	O	Read, wright signal.	
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	T3, T4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin.

Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	$\overline{CQCK}$	I	Command input read clock or subcode read input clock from SQOUT pin
58	RES	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	T11	O	Test signal output pin. Use this pin as open (normally L output).
60	16M	O	16.9344 MHz output pin.
61	4.2M	O	4.2336 MHz output pin.
62	T5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	$\overline{CS}$	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	T1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

IC, LC865516A-5P16

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{SEG E}}$	O	SEG E control.
2	$\overline{\text{SEG F}}$	O	SEG F control.
3	$\overline{\text{SEG G}}$	O	SEG G control.
4	NC	—	Not connected.
5	I-RES	I	Micro processor reset input
6	XT(IN)	I	Connected to an external 32.768 kHz crystal oscillator.
7	NC	—	Not connected.
8	XT2(OUT)	O	Connected to an external 32.768 kHz crystal oscillator.
9	VSS	—	GND.
10	CF1(IN)	I	Connected to an external 5.76 MHz ceramic filter.
11	CF2(OUT)	O	Connected to an external 5.76 MHz ceramic filter.
12	VDD	—	Microprocessor power supply (+5V).
13	I-KEY0	I	Key AD input. (AD)
14	I-KEY1	I	Key AD input. (AD)
15	I-MOTOR	I	Deck status input. (AD)
16	I-CD SW	I	CD door switch status input.
17	O-SHIFT	O	Main clock shift output.
18	NC	—	Not connected.
19	O-BASS LED	O	BASS LED ON/OFF control output. (Not connected)
20	O-QS LED	O	Q sound LED ON/OFF control output. (Not connected)
21	O-SFT LED	—	Not connected.
22	I-DRF	I	CD RF level detection input.
23	I-WRQ	I	CD subcode Q standby input.
24	NC	—	Not connected.
25	I-REM	—	Remote control input.
26	O-CD ON	O	CD power control output.
27	O-TU ON	O	TU power control output.
28	O-P.CONT	O	The main power supply control output.
29	NC	—	Not connected.
30	O-BEAT	O	Beat control.
31	O-MUTE	O	Main mute output.
32	O-DIGIT	O	7-segment LED power supply control output.
33	O-SEG RPEAT	O	REPEAT LED ON/OFF control output.
34	O-COIN	O	CD command output.
35	I-SQOUT	I	CD subcode Q input.
36	O-CQCK	O	CD command/CLK for subcode.
37	O-WRC	O	CD read/write control output.
38	O-DATA	O	Data output to M62349FP.
39	O-CD LED	O	LED ON/OFF control output for the CD function.
40	O-TU LED	O	LED ON/OFF control output for the TU function.
41	O-TA LED	O	LED ON/OFF control output for the TA function. (Not connected)

Pin No.	Pin Name	I/O	Description
42	NC	—	Not connected.
43	$\overline{\text{SEG DP}}$	O	SEG DP control.
44	$\overline{\text{SEG A}}$	O	SEG A control.
45	$\overline{\text{SEG B}}$	O	SEG B control.
46	$\overline{\text{SEG C}}$	O	SEG C control.
47	$\overline{\text{SEG D}}$	O	SEG D control.
48	NC	—	Not connected.

MECHANICAL PARTS LIST 1/1

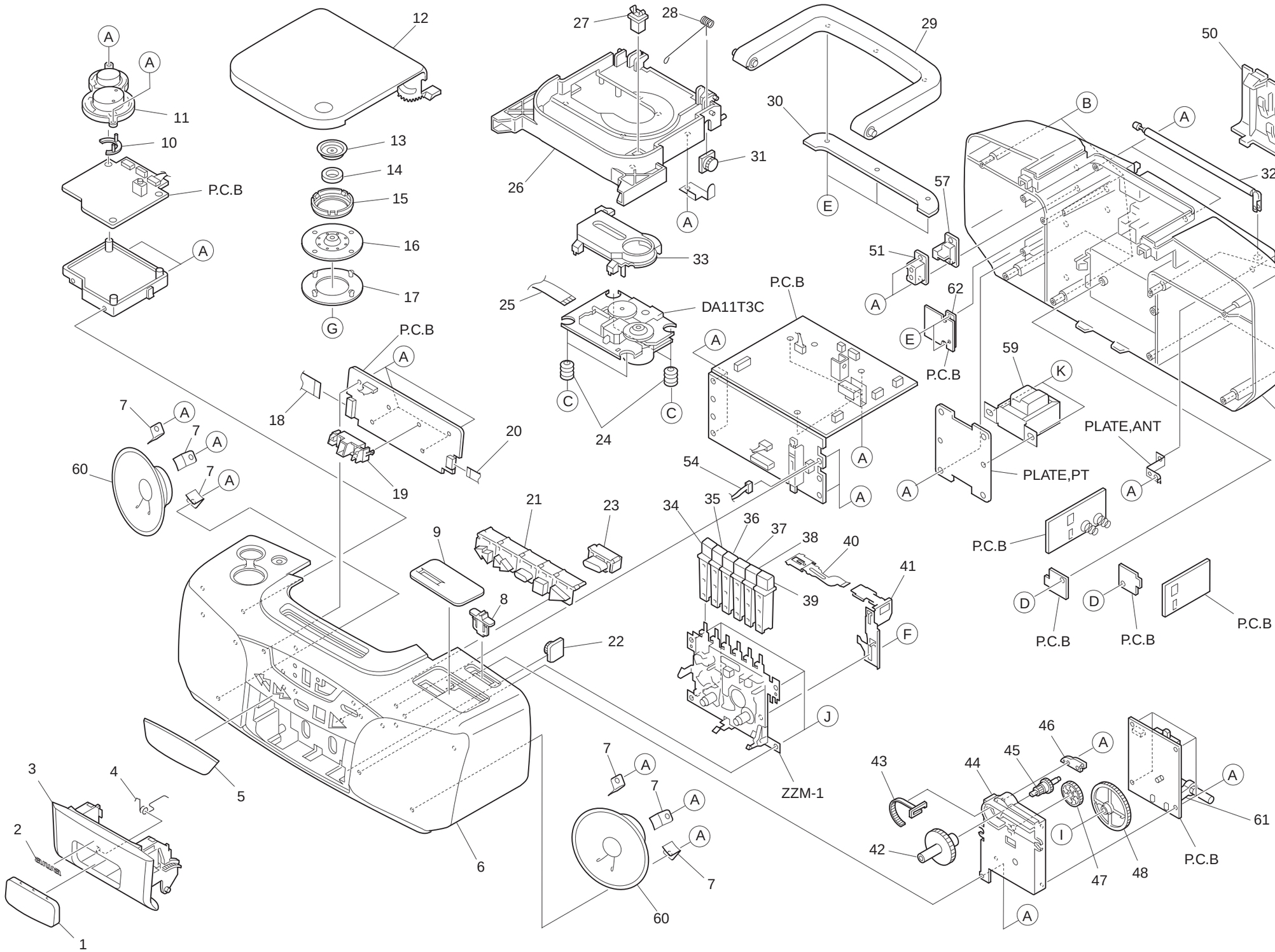
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CDA-006-010		WINDOW,CASS
			<110HRJ(S),100K(S),99K(S),100EZ(S),170U(S),170K(S),170HA(S)>
1	8A-CDA-062-010		WINDOW,CASS D
			<100HE(S),110EZ(S),100HRJ(S)>
1	8A-CDA-072-010		WINDOW,CASS EZ L<100EZ(L)>
1	8A-CDA-096-010		WINDOW,CASS EZ P<100EZ(P)>
1	8A-CDA-128-010		WINDOW,CASS L<110EZ(L)>
2	87-B00-010-010		BADGE,AIWA 30.5-5.2 S 2.5L
3	8A-CDA-003-010		LID,CASS
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
3	8A-CDA-069-010		LID,CASS EZ L<100EZ(L)>
3	8A-CDA-093-010		LID,CASS EZ P<100EZ(P)>
3	8A-CDA-125-010		LID,CASS L<110EZ(L)>
4	8A-CDA-212-010		SPR-T,CASS
5	8A-CDL-031-010		WINDOW,LED<170K(S),170HA(S)>
5	8A-CDA-008-010		WINDOW,LED<100EZ(L)>
5	8A-CDA-039-010		WINDOW,LED LH
			<110HRJ(S),110EZ(S),110EZ(L)>
5	8A-CDA-113-010		WINDOW,LED LOW EZ P<100EZ(P)>
5	8A-CDA-042-010		WINDOW,LED LOW LH
			<100HE(S),100K(S),99K(S),100EZ(S),100HRJ(S)>
5	8A-CDL-033-010		WINDOW,LED U<170U(S)>
6	8A-CDA-028-010		CABI ASSY,FRONT
			<110HRJ(S),170U(S),170HA(S)>
6	8A-CDA-120-010		CABI ASSY,FRONT A99<99K(S)>
6	8A-CDA-034-010		CABI ASSY,FRONT EZ
			<110EZ(S),170K(S)>
6	8A-CDA-122-010		CABI ASSY,FRONT EZ L<110EZ(L)>
6	8A-CDA-036-010		CABI ASSY,FRONT LOW EZ
			<100K(S),100EZ(S)>
6	8A-CDA-066-010		CABI ASSY,FRONT LOW EZ L
			<100EZ(L)>
6	8A-CDA-090-010		CABI ASSY,FRONT LOW EZ P
			<100EZ(P)>
6	8A-CDA-054-010		CABI ASSY,FRONT LOW HR
			<100HE(S),100HRJ(S)>
7	8A-CDA-206-010		HLDR,SPKR
8	8A-CDA-020-010		KNOB,SL BAND
			<110HRJ(S),100HE(S),100HRJ(S),170U(S),170HA(S)>
8	8A-CDA-059-010		KNOB,SL BAND EZ
			<100K(S),110EZ(S),99K(S),100EZ(S),170K(S)>
8	8A-CDA-081-010		KNOB,SL BAND EZ L<100EZ(L)>
8	8A-CDA-105-010		KNOB,SL BAND EZ P<100EZ(P)>
8	8A-CDA-136-010		KNOB,SL BAND L<110EZ(L)>
9	8A-CDA-009-010		WINDOW,TU<170U(S)>
9	8A-CDA-045-010		WINDOW,TU EZ
			<100K(S),110EZ(S),99K(S),100EZ(S),170K(S)>
9	8A-CDA-073-010		WINDOW,TU EZ L<100EZ(L)>
9	8A-CDA-097-010		WINDOW,TU EZ P<100EZ(P)>
9	8A-CDA-046-010		WINDOW,TU HR
			<110HRJ(S),100HE(S),100HRJ(S),170HA(S)>
9	8A-CDA-129-010		WINDOW,TU L<110EZ(L)>
10	8A-CDA-007-010		LENS,LED
11	8A-CDA-019-010		KEY,VOL
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
11	8A-CDA-080-010		KEY,VOL EZ L<100EZ(L)>
11	8A-CDA-104-010		KEY,VOL EZ P<100EZ(P)>
11	8A-CDA-135-010		KEY,VOL L<110EZ(L)>
12	8A-CDA-004-010		LID,CD
			<110HRJ(S),100K(S),99K(S),100EZ(S),170U(S),170K(S),170HA(S)>
12	8A-CDA-061-010		LID,CD D
			<100HE(S),110EZ(S),100HRJ(S)>
12	8A-CDA-070-010		LID,CD EZ L<100EZ(L)>
12	8A-CDA-094-010		LID,CD EZ P<100EZ(P)>
12	8A-CDA-126-010		LID,CD L<110EZ(L)>
13	8A-CDA-213-010		COVER, CHUCK
14	87-036-368-010		MAGNET
15	8A-CDA-207-010		HLDR,CHUCK
16	8A-CDA-150-010		BASE,CHUCK F/M
17	88-CD9-211-210		RING,CHUCK
18	8A-CDA-620-010		FF-CABLE,16P FR-MAIN
19	8A-CDA-208-110		HLDR,LED
20	8A-CDA-622-010		FF-CABLE,8P CD-FR
21	8A-CDA-016-010		KEY,CD
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
21	8A-CDA-078-010		KEY,CD EZ L
			<100EZ(P),100EZ(L),110EZ(L)>
22	87-063-165-010		OIL-DMPR 150
23	8A-CDA-017-010		KEY,MODE
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
23	8A-CDA-079-010		KEY,MODE EZ L
			<100EZ(P),100EZ(L),110EZ(L)>
24	88-CH6-220-010		CUSHION,CD A
25	8A-CDA-621-010		FF-CABLE,16P CD-RF
26	8A-CDA-012-010		CHAS,CD<EXCEPT 100EZ(P),100EZ(L)>
26	8A-CDA-180-010		CHAS,CD EZ L<100EZ(L)>
26	8A-CDA-114-010		CHAS,CD EZ P<100EZ(P)>
27	87-036-389-010		SW,PUSH LOCK
28	8A-CDA-211-010		SPR-T,CD
29	8A-CDA-010-110		HANDL,ARM
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
29	8A-CDA-074-010		HANDL,ARM EZ L<100EZ(L)>
29	8A-CDA-098-010		HANDL,ARM EZ P<100EZ(P)>
29	8A-CDA-130-010		HANDL,ARM L<110EZ(L)>
30	8A-CDA-011-010		HANDL,COVER
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
30	8A-CDA-075-010		HANDL,COVER EZ L<100EZ(L)>
30	8A-CDA-099-010		HANDL,COVER EZ P<100EZ(P)>
30	8A-CDA-131-010		HANDL,COVER L<110EZ(L)>
31	87-NF8-220-010		DMPR,150
32	8Z-CH4-640-010		ANT,ROD
33	8Z-CDB-169-010		PANEL,CD SANYO
34	8A-CDA-027-010		KEY,PAUSE
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
34	8A-CDA-088-010		KEY,PAUSE EZ L<100EZ(L)>
34	8A-CDA-112-010		KEY,PAUSE EZ P<100EZ(P)>
34	8A-CDA-143-010		KEY,PAUSE L<110EZ(L)>
35	8A-CDA-026-010		KEY,STOP
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
35	8A-CDA-087-010		KEY,STOP EZ L<100EZ(L)>
35	8A-CDA-111-010		KEY,STOP EZ P<100EZ(P)>
35	8A-CDA-142-010		KEY,STOP L<110EZ(L)>
36	8A-CDA-025-010		KEY,FF
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
36	8A-CDA-085-010		KEY,FF EZ L<100EZ(L)>
36	8A-CDA-109-010		KEY,FF EZ P<100EZ(P)>
36	8A-CDA-140-010		KEY,FF L<110EZ(L)>
37	8A-CDA-024-010		KEY,REW
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
37	8A-CDA-086-010		KEY,REW EZ L<100EZ(L)>
37	8A-CDA-110-010		KEY,REW EZ P<100EZ(P)>
37	8A-CDA-141-010		KEY,REW L<110EZ(L)>
38	8A-CDA-023-010		KEY,PLAY
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
38	8A-CDA-084-010		KEY,PLAY EZ L<100EZ(L)>
38	8A-CDA-108-010		KEY,PLAY EZ P<100EZ(P)>
38	8A-CDA-139-010		KEY,PLAY L<110EZ(L)>
39	8A-CDA-022-010		KEY,REC
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
39	8A-CDA-083-010		KEY,REC EZ L<100EZ(L)>
39	8A-CDA-107-010		KEY,REC EZ P<100EZ(P)>
39	8A-CDA-138-010		KEY,REC L<110EZ(L)>
40	8A-CDA-221-010		SPR-P,REC<EXCEPT 100HE(S)>
41	8A-CDA-220-010		PLATE,REC
42	8A-CDA-021-010		KNOB,RTRY TU
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
42	8A-CDA-082-010		KNOB,RTRY TU EZ L<100EZ(L)>
42	8A-CDA-106-010		KNOB,RTRY TU EZ P<100EZ(P)>
42	8A-CDA-137-010		KNOB,RTRY TU L<110EZ(L)>
43	8A-CDA-013-010		POINTER,TU
44	8A-CDA-201-010		HLDR,TU
45	8A-CDA-216-010		GEAR,TU B
46	8A-CDA-203-010		GUIDE,GEAR
47	8A-CDA-202-010		GEAR,RELAY
48	8A-CDA-215-010		DRUM,TU
49	8A-CDL-002-010		CABI,REAR<170U(S),170K(S)>
49	8A-CDA-002-010		CABI,REAR<110EZ(S)>
49	8A-CDA-118-010		CABI,REAR A99<99K(S)>
49	8A-CDA-124-010		CABI,REAR EZ L<110EZ(L)>
49	8A-CDA-030-010		CABI,REAR LH<110HRJ(S)>
49	8A-CDL-030-010		CABI,REAR LH<170HA(S)>
49	8A-CDA-037-010		CABI,REAR LOW<100K(S),100EZ(S)>
49	8A-CDA-068-010		CABI,REAR LOW EZ L<100EZ(L)>
49	8A-CDA-092-010		CABI,REAR LOW EZ P
			<100EZ(P)>
49	8A-CDA-038-010		CABI,REAR LOW LH
			<100HE(S),100HRJ(S)>
50	8A-CDA-005-010		LID,BATT
			<EXCEPT 100EZ(P),100EZ(L),110EZ(L)>
50	8A-CDA-071-010		LID,BATT EZ L<100EZ(L)>
50	8A-CDA-095-010		LID,BATT EZ P<100EZ(P)>
50	8A-CDA-127-010		LID,BATT L<110EZ(L)>
51	8Z-CD5-634-010		COVER,AC SOCKET
52	8A-CDA-626-010		CONN ASSY,2P DOOR
53	8A-CDA-630-010		CONN ASSY,4P RPH
54	8A-CDA-633-010		CONN ASSY,4P SP
55	8A-CDA-631-010		CONN ASSY,4P TA-ME
⚠ 57	87-A60-178-010		JACK,AC E W/SW<EXCEPT 170U(S)>
⚠ 57	87-A60-177-010		JACK,AC U W/SW<170U(S)>
58	8A-CDA-018-010		KEY,QSOUND
			<110HRJ(S),110EZ(S),170U(S),170K(S),170HA(S)>
58	8A-CDA-134-010		KEY,QSOUND L<110EZ(L)>
59	8A-CDA-612-010		PT,E 2.5W
			<EXCEPT 110HRJ(S),100HE(S),100HRJ(S),170U(S),170HA(S)>
59	8A-CDA-613-010		PT,H 2.5W
			<110HRJ(S),100HE(S),100HRJ(S),170HA(S)>
⚠ 59	8A-CDA-611-010		PT,U 2.5W<170U(S)>
60	8A-CH4-682-010		SPKR,10- 7OHM
61	88-CD6-661-010		HLDR,BAR ANT.
62	87-A91-369-010		SW,AC SL 2 2 2 SDKGA41700
			<110HRJ(S),100HE(S),100HRJ(S),170HA(S)>
A	87-721-096-410		QT2+3-10 GLD
B	87-751-104-410		VT2+3-30
C	8A-CK4-223-010		S-SCREW,CD
D	87-067-566-010		TAPPING SCREW, VFTT+3-6
E	87-352-075-210		VT2+2.6-10
F	8A-CDA-222-010		S-SCREW,CASS+2.6-4
H	87-253-097-410		U+3-12 BLK
I	87-261-073-410		V+2.6-6
J	87-751-096-410		VT2+3-10 GLD

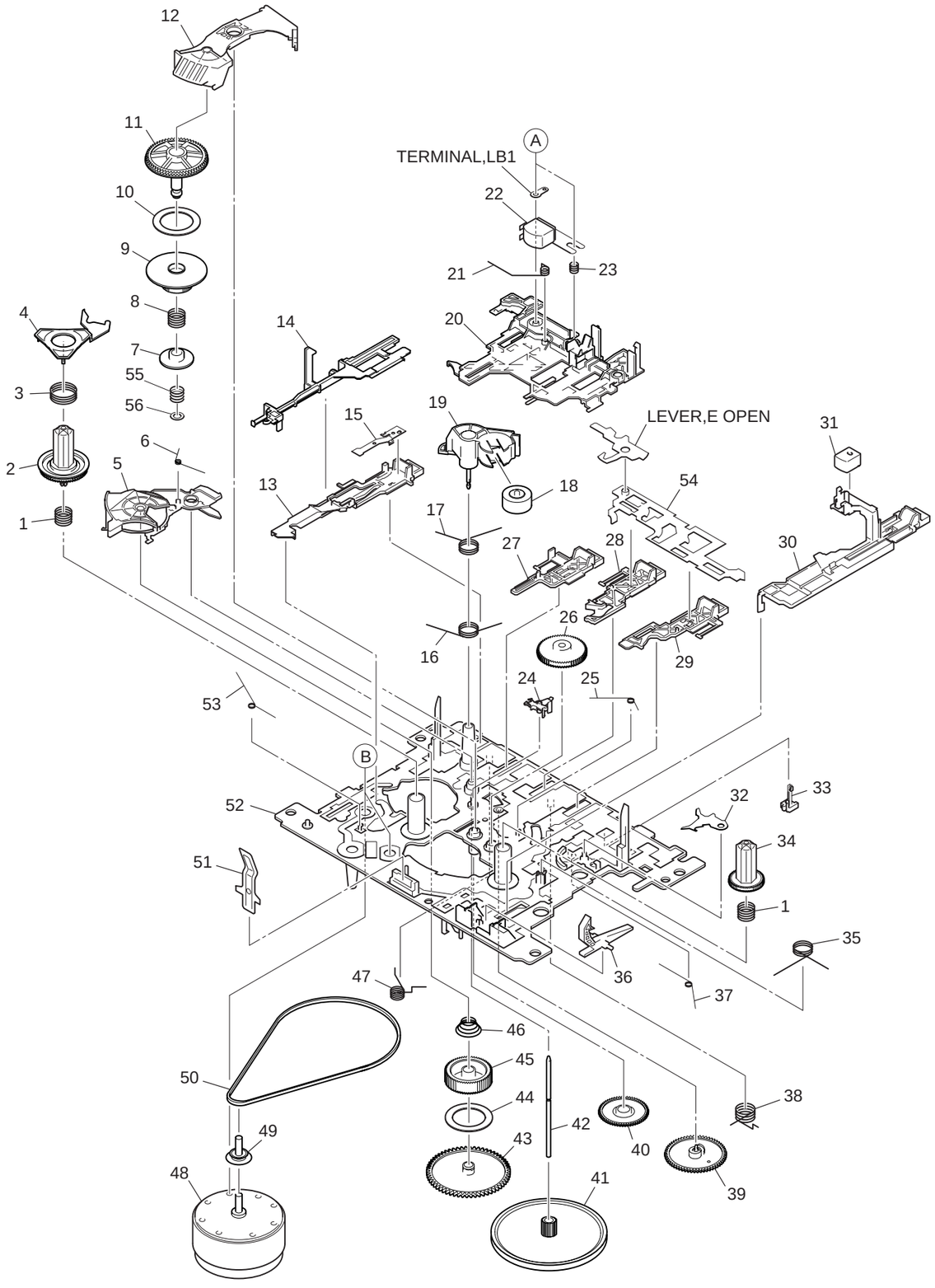
COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

MECHANICAL EXPLODED VIEW 1/1



TAPE MECHANISM EXPLODED VIEW 1/1

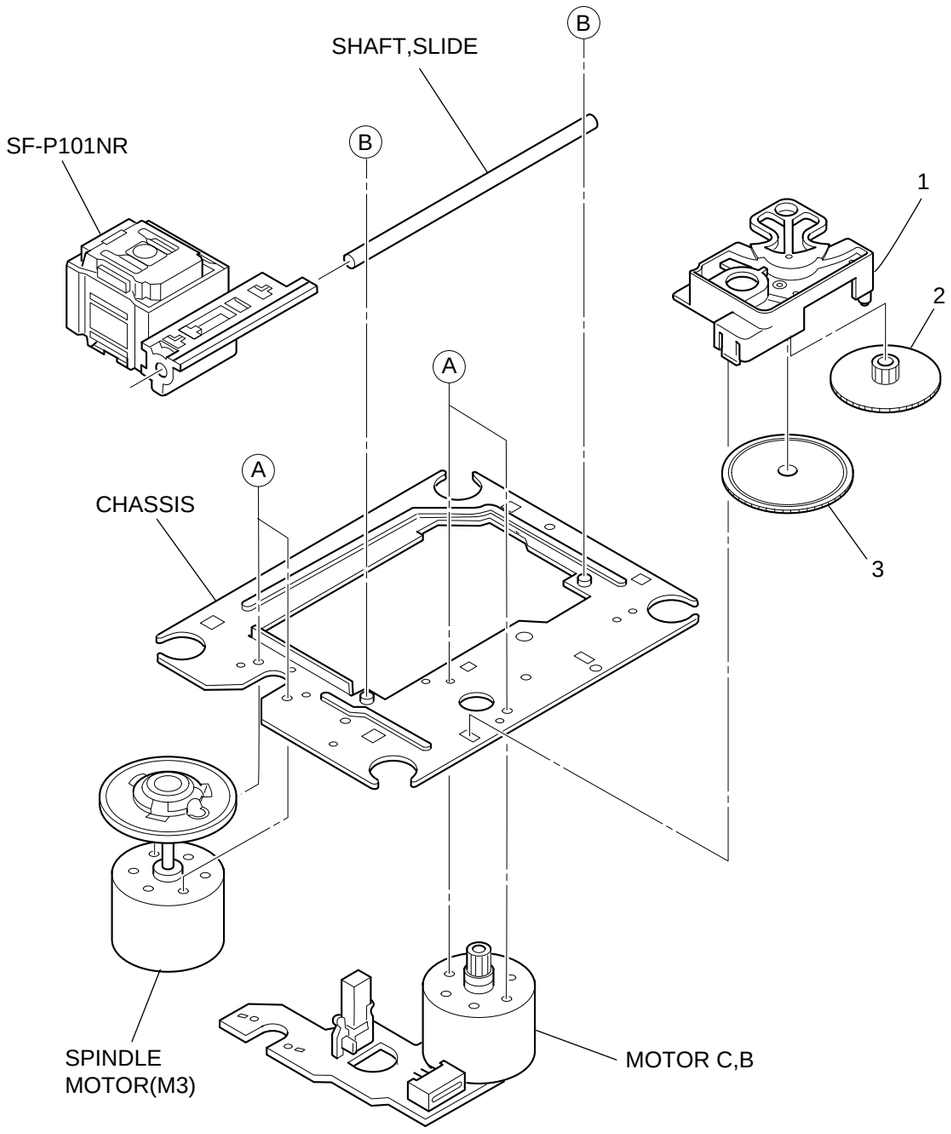


TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-ZM1-254-210		SPR-C,REEL R
2	8Z-ZM1-225-110		GEAR,REEL R
3	8Z-ZM1-253-110		SPR-C,AUTO SENSOR
4	8Z-ZM1-217-110		LEVER,AUTO SENSOR
5	8Z-ZM1-212-110		LEVER,T-UP
6	8Z-ZM1-245-010		SPR-T,AUTO
7	8Z-ZM1-236-010		CLR,SLIP FF/REW
8	8Z-ZM1-252-010		SPR-C,FF/REW
9	8Z-ZM1-230-010		GEAR,SLIP FF/REW A
10	8Z-ZM1-266-010		FELT,FF/REW
11	8Z-ZM1-231-010		GEAR,SLIP FF/REW B
12	8Z-ZM1-213-010		LEVER,FF/REW
13	8Z-ZM1-209-110		LEVER,PAUSE
14	8Z-ZM1-222-010		LEVER,E-LOCK M
15	8Z-ZM1-256-010		SPR-P,PAUSE
16	8Z-ZM1-244-010		SPR-T,T-UP
17	8Z-ZM1-247-210		SPR-T,PINCH
18	8Z-ZM1-261-110		ROLLER ASSY,PINCH
19	8Z-ZM1-221-010		LEVER,PINCH
20	8Z-ZM1-205-210		LEVER,PLAY
21	8Z-ZM1-248-010		SPR-T,BRG
22	87-A90-403-110		HEAD,RPH MS15R
23	84-ZM2-227-310		SPR-C,AZIMUTH
24	8Z-ZM1-216-010		LEVER,AUTO
25	8Z-ZM1-246-010		SPR-T,AUTO 2
26	8Z-ZM1-233-010		GEAR,IDL REW
27	8Z-ZM1-208-010		LEVER,STOP
28	8Z-ZM1-207-010		LEVER,FF
29	8Z-ZM1-206-010		LEVER,REW
30	8Z-ZM1-211-110		LEVER,REC 2
31	87-A91-533-010		HEAD,EH PH-K380
32	8Z-ZM1-215-010		LEVER,REC LOCK
33	87-A91-492-010		SW,LEAF MSW18560
34	8Z-ZM1-226-010		GEAR,REEL L
35	8Z-ZM1-241-010		SPR-T,PLAY
36	8Z-ZM1-220-010		LEVER,REC SENSOR
37	8Z-ZM1-249-010		SPR-T,FR
38	8Z-ZM1-242-110		SPR-T,FF/REW
39	8Z-ZM1-229-010		GEAR,CAM
40	8Z-ZM1-232-010		GEAR,IDL FF/REW
41	8Z-ZM1-234-010		FLY-WHL,ZZM-1
42	8Z-ZM1-267-010		SHAFT,CAPSTAN 2
43	8Z-ZM1-228-010		GEAR,SLIP T-UP B
44	8Z-ZM1-265-010		FELT,T-UP
45	8Z-ZM1-227-010		GEAR,SLIP T-UP A
46	8Z-ZM1-251-110		SPR-C,T-UP SLIP
47	8Z-ZM1-243-210		SPR-T,STOP/PAUSE
48	87-A91-531-010		MOT,MS15C2L
49	8Z-ZM1-271-010		PULLEY,MOT ZZM-1
50	8Z-ZM1-264-010		BELT,MAIN S
51	8Z-ZM1-260-010		SPR-P,CASETTE
52	8Z-ZM1-201-310		CHAS ASSY,ZZM-1
53	8Z-ZM1-255-110		SPR-T,E-LOCK
54	8Z-ZM1-214-010		LEVER,LOCK
55	8Z-ZM1-257-110		SPR-C,F/R
56	8Z-ZM1-275-010		W-L,1.47-4-0.25
A	84-ZM2-242-010		S-SCREW,AZ1-2-6.4
B	8Z-ZM1-270-110		V+2.6 ZZM-1

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

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If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S2-121-A28-400		COVER GEAR
2	S2-511-A21-000		GEAR MIDDLE
3	S2-511-A21-100		GEAR,DRIVE
A	S1-PN2-03R-OSE		SCR PAN PCS 2-3
B	87-261-073-410		SCR S-TPG FLT 2.6-6
ALL	M8-ZZK-E90-070		DA11T3C

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CDA-906-010		IB,EZ(9L)FM PDF <110EZ(S),100EZ(P),100EZ(L),100EZ(S),110EZ(L)>
1	8A-CDA-901-010		IB,H(ECA)FM <110HRJ(S),100HE(S),100HRJ(S)>
1	8A-CDA-905-110		IB,K(E)FM<100K(S),99K(S),170K(S)>
1	8A-CDL-902-010		IB,LH(ESP)FM<170HA(S)>
1	8A-CDA-903-010		IB,U(ESF)FM<170U(S)>
2	8Z-CDK-962-010		RC UNIT,RC-ZAT02(VS) <170U(S),170K(S),170HA(S)>
⚠ 3	87-A80-119-010		AC CORD SET ASSY,AZ<170HA(S)>
⚠ 3	87-A80-036-010		AC CORD SET ASSY,E W/FLTR VOL <100HE(S),110EZ(S),100EZ(P),100EZ(L),100EZ(S),110EZ(L)>
⚠ 3	87-A80-034-010		AC CORD SET ASSY,K W/F MAY-BG <100K(S),99K(S),170K(S)>
⚠ 3	87-A80-089-010		AC CORD SET,HC <110HRJ(S),100HRJ(S)>
⚠ 3	87-A80-109-010		AC CORD,HK7281 BLK U<170U(S)>
⚠ 4	87-A91-017-010		PLUG,CONVERSION JT-0476 <110HRJ(S),100HRJ(S)>

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